

WEI - VRDIB

BACK TO BASICS



Secretary of State

WEI / VRDB Back to Basics

Presented by: Nick Pharris
& Joesph R. Maclean

WEI - VRDB Back to Basics

History

Home Screen

Washington Secretary of State

Voter Registration Database Home Page

News and Noteworthy Items

Processing Transfers
All Global Updates from the April Special Election are in. Go ahead and transfer from anywhere.

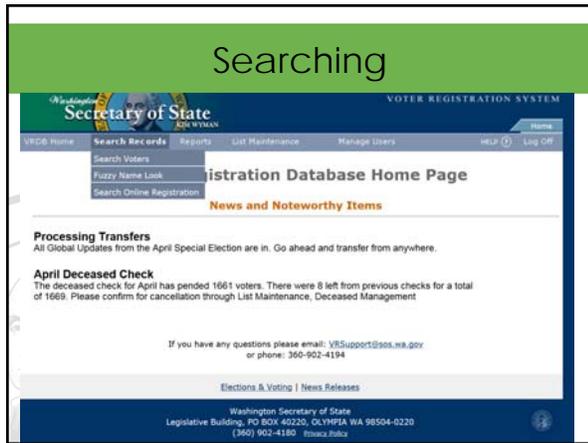
April Deceased Check
The deceased check for April has pending 1661 voters. There were 9 left from previous checks for a total of 1669. Please confirm for cancellation through List Maintenance, Deceased Management

If you have any questions please email: VRSupport@sos.wa.gov
or phone: 360-702-4194

Elections & Voting / News Release

Washington Secretary of State
Department Building 400 1st Floor 1100 Columbia Street, Seattle, WA 98101
Phone: 360-702-4194 Fax: 360-702-4195







Search Online Registrations

Transmit ID	Voter Name	DOB	County	Registration Date	
00HV201403250000188	MACLEAN, JOESPH RYAN	10/25/1976	MA	3/24/2014	Details
00HV201403250000188	MACLEAN, JOESPH RYAN	10/25/1976	GY	3/24/2014	Details

Reports

- Voter Status
- Data Audit
- Resolved ID
- No Signature
- Failed Identity
- Pending
- Felons On Hold
- Duplicates
- Transfer
- Cancellation
- County Connectivity
- Demographic
- Demographic Turnout
- Registrations Counts
- Cancellation Counts
- Address Change
- Online Registration
- Under 18

Reports

Transmit ID	Voter Name	DOB	County	Registration Date	
00HV201403250000188	MACLEAN, JOESPH RYAN	10/25/1976	MA	3/24/2014	Details
00HV201403250000188	MACLEAN, JOESPH RYAN	10/25/1976	GY	3/24/2014	Details

ID Management

Selected Voter

State Voter ID: WA010214368
 County Voter ID: 687773
 Name: Hodson, Alexander E
 County: Benton
 Voter Status: Inactive
 Date of Birth: 3/29/1987
 Gender: M
 SSN4: 6134

Driver License
 No.:
 Last Voted:
 Registration Date: 6/7/2012
 Address: 43725 N Sr 225 NW Benton City WA 99320
 Email Address:
 Phone Number: (509)746-8576

Alex Hodson

Potential DOL Match

Name: SSN No Match

Date of Birth:

Driver License No.:

Comments:

Pick One Confirm ID Hold Back

Online Registration Management

Secretary of State
JOSH WYMAN

VOTER REGISTRATION SYSTEM

VRDB Home Search Records Reports List Maintenance Manage Users HELP ID Log Off

Online Registration Management

Name: Last First Middle
 Birth Date(mmddyyyy) DOL# Transmit ID

Search Clear All Fields

Transmit ID	Voter Name	DOB	County	Registration Date	
00MV201402190001413	HEIMAN, MICHELE KATHRYN	2/19/1968	AD	2/18/2014	Resolve
00MV201403020000237	MEDINA-LOHRELL, VANESSA	8/17/1995	AD	3/1/2014	Resolve
00MV201403060000536	SCHARNHORST, ROBERT ALLEN	3/5/1958	GA	3/5/2014	Resolve
00MV201403060001056	TOWERY, CHERI ANN	7/1/1969	GA	3/5/2014	Resolve
00MV201403060001211	TOWERY, JASON LEE	11/30/1966	GA	3/5/2014	Resolve
00MV201403060000678	ROSENTHAL, RAYMOND JOHN	9/23/1984	FE	3/5/2014	Resolve

Online Registration Management

Selected Registration

Transmit ID: 00MV201402190001413
 Name: MICHELE KATHRYN HEIMAN
 County: AD
 Date of Birth: 2/19/1968
 Gender: F
 SSN4: 7852
Driver License No. HEIMAMK322CR
 Registration Date: 02/19/2014
 Address: 150 FERN RD Othello WA 99344 9329
 Mailing Address:
 Military: Not Military
 Absentee: yes
 Email Address:
 Phone Number:

Michele Heiman

All Counties Forward to County Back

WEI – VRDB Back to Basics

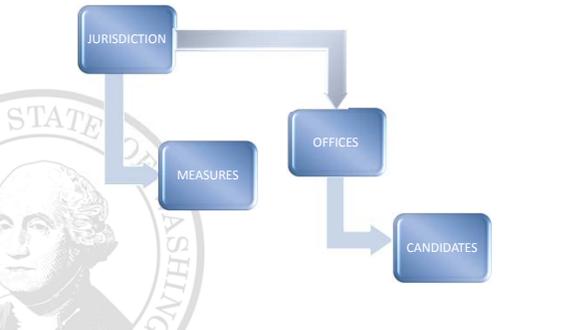
- Questions
- Comments

WEI

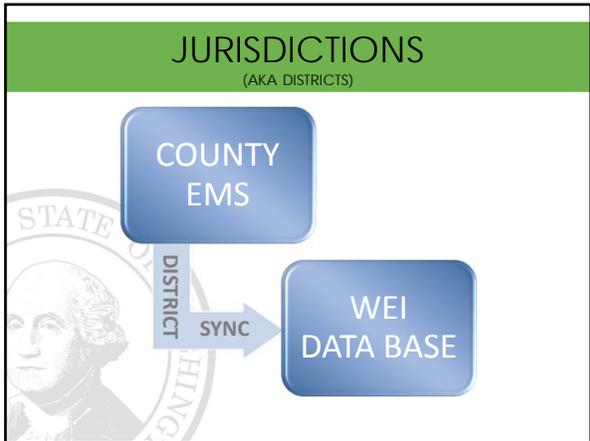


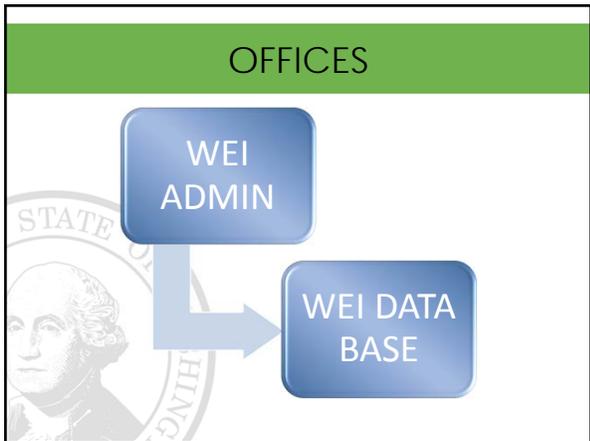
WEI
Washington Election Information

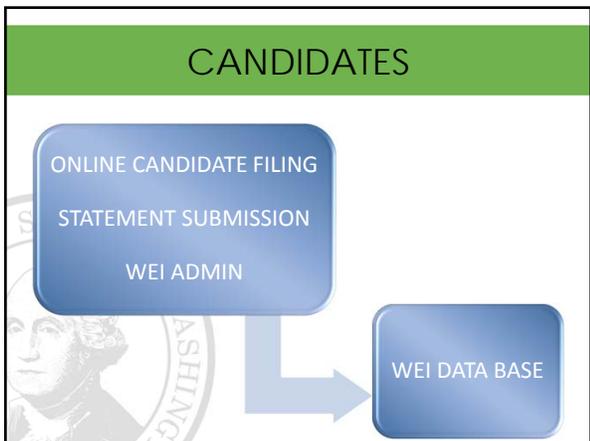
WEI DATA BASE STRUCTURE

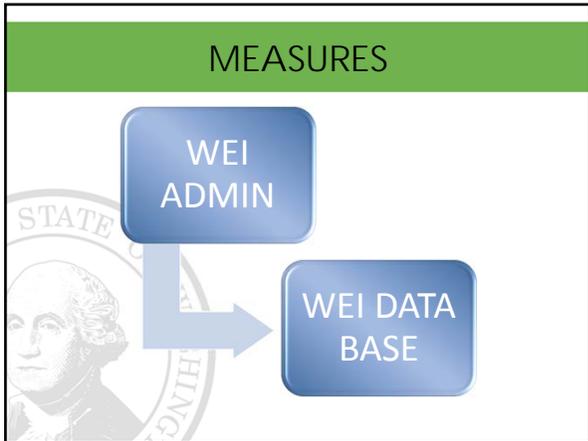


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graph TD; JURISDICTION --> MEASURES; JURISDICTION --> OFFICES; MEASURES --> OFFICES; OFFICES --> CANDIDATES;
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Text titled "Dynamics between WEI & VRDB" with a green header. The word "Dynamics" is in a large, bold, black font. Below it, the word "between" is in a smaller, black font. At the bottom, "WEI & VRDB" is in a large, bold, grey font. The background is white with a faint watermark of George Washington's portrait and the text "STATE OF WASHINGTON".

WEI ADMIN

- Questions
- Comments

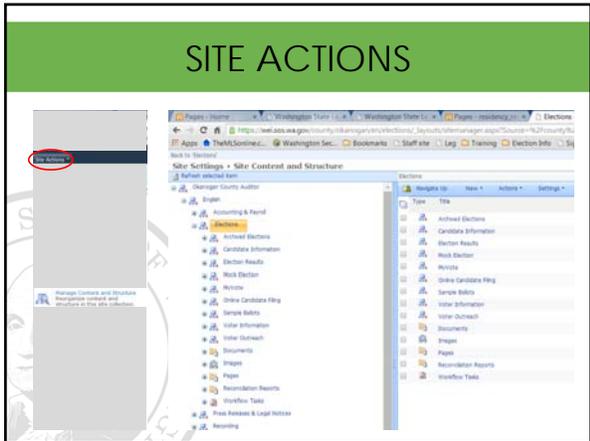
WEI AUTHOR

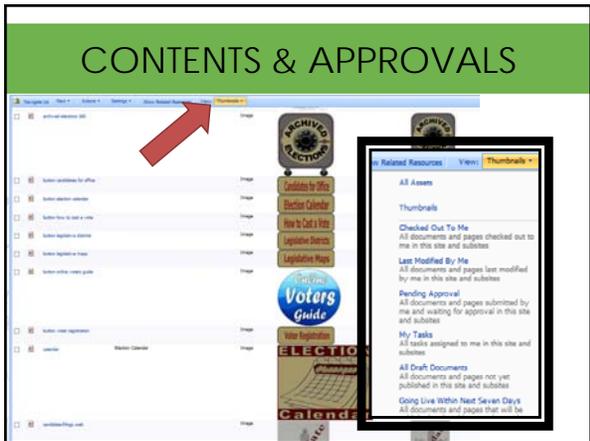
The screenshot shows the Okanogan County Auditor website. The main heading is "ELECTIONS" with sub-links for "Public Notice", "MyVote", "Pamphlet", "Reconciliation", and "Elections". There are also icons for "Accessibility" and "Archived Elections".

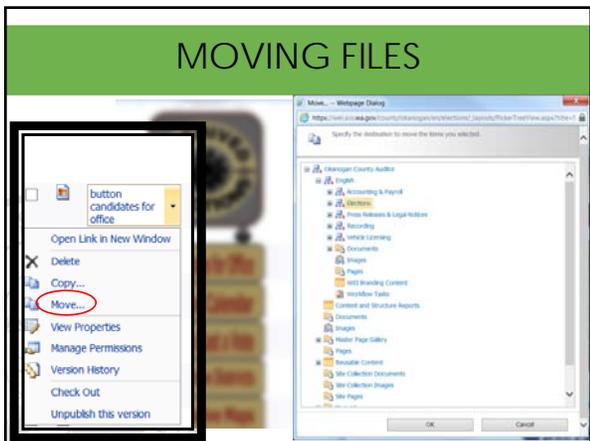
FILE STRUCTURE

The screenshot shows a file explorer window with the following structure:

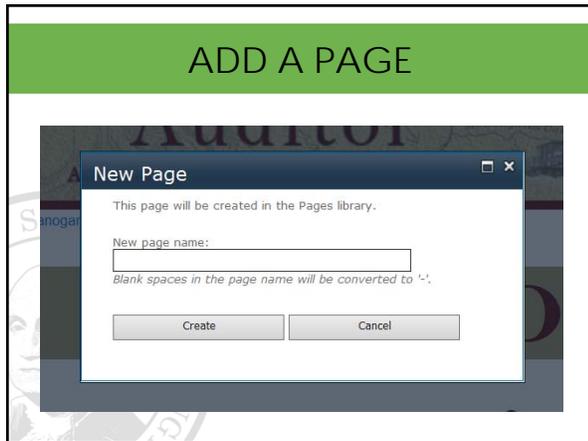
- Refresh selected item
- Okanogan County Auditor
 - English
 - Accounting & Payroll
 - Elections**
 - Archived Elections
 - Documents
 - Images
 - Pages
 - Workflow Tasks



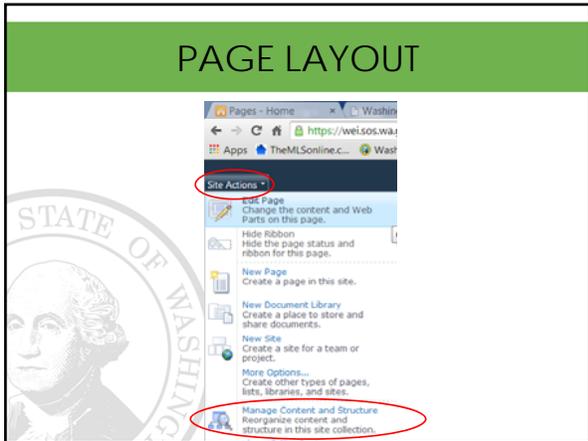


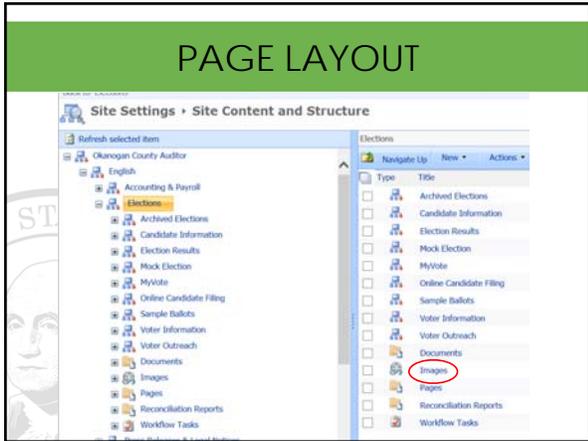














Washington Driver License Numbers Decoded

Washington state encodes your last name, first initial, middle initial, and your date of birth into your driver's license number. A Washington Identification Card uses the same number as the driver's license for someone who does not or cannot drive.

These license numbers look like the following:

- WOO**JT546KA – “John T. Woo” born on May 1st, 1946
- WALKECR579DU – “Christopher R. Walken” born on March 31st, 1943
- LLLLLLFMYXmd – Pattern deciphered below



Deciphering the Number

LLLLL – Last Name, truncated – The first five characters are the first five letters of the last name. If the name is shorter than five characters, the extra space is padded with asterisks (*).

F – First Initial

M – Middle Initial – If no middle initial the space is padded with an asterisk (*).

YY – Year of birth, encoded – This is 100 minus the two digit year of birth. So someone born in 1998 will be 2 (100-98), as will someone born in 1898.

X – Checksum – This can be calculated if you like math but first you must have the rest of the license figured out.

m – Month of birth, encoded. Look up your birth month on this table. There are two options. In general the state will use the first column. If another person has generated the same license number as you, they'll use the second column. This is most often needed for twins. (I have no idea what they do after that.)

Month	1st	2nd
Jan	B	S
Feb	C	T
Mar	D	U

Month	1st	2nd
Apr	J	1
May	K	2
Jun	L	3

Month	1st	2nd
Jul	M	4
Aug	N	5
Sep	O	6

Month	1st	2nd
Oct	P	7
Nov	Q	8
Dec	R	9

d – Day of month of birth, encoded – Look up the code for your birth's day of month.

Date	Code
1	A
2	B
3	C
4	D
5	E
6	F

Date	Code
7	G
8	H
9	Z
10	S
11	J

Date	Code
12	K
13	L
14	M
15	N
16	W

Date	Code
17	P
18	Q
19	R
20	0
21	1

Date	Code
22	2
23	3
24	4
25	5
26	6

Date	Code
27	7
28	8
29	9
30	T
31	U

Now back to the checksum, **X**.

Once you have figured out the rest of the license number you can alternate adding and subtracting the numeric value of each character. The checksum is the single digit remaining, ignoring negative signs or the fact it might be more than 9. In other words, answers of 6, 16 and -6 will all have a checksum digit of 6. The mathematical way to write this is:

$$\text{checksum} = (L1 - L2 + L3 - L4 + L5 - F + M - Y1 + Y2 - M + D) \text{ mod } 10;$$

For letters and the asterisk use the numbers in the table below to calculate the checksum:

Value	Letter	Letter	Letter	Letter
1	A	J		
2	B	K	S	
3	C	L	T	
4	D	M	U	*
5	E	N	V	
6	F	O	W	
7	G	P	X	
8	H	Q	Y	
9	I	R	Z	

Courtesy of DOL

WEB SAFE COLORS

At one time many computer displays were only capable of displaying 256 colors. These may be dictated by the hardware or changeable by a "color table". When a color is found (e.g., in an image) that is not one available, a different one has to be used. This can be done by either using the closest color, which greatly speeds up the load time, or by using dithering, which results in more accurate results, but takes longer to load due to the complex calculations.

There were various attempts to make a "standard" color palette. A set of colors was needed that could be shown without dithering on 256-color displays; the number 216 was chosen partly because computer operating systems customarily reserved sixteen to twenty colors for their own use; it was also selected because it allows exactly six equally-spaced shades of red, green, and blue ($6 \times 6 \times 6 = 216$), each from 00 to FF (including both limits).

The list of colors is often presented as if it has special properties that render them immune to dithering. In fact, on 256-color displays applications can set a palette of any selection of colors that they choose, dithering the rest. These colors were chosen specifically because they matched the palettes selected by the then leading browser applications. Fortunately, there were not radically different palettes in use in different popular browsers.

HTML name	Hex code			Decimal code		
	R	G	B	R	G	B
Pink colors						
Pink	FF	C0	CB	255	192	203
LightPink	FF	B6	C1	255	182	193
HotPink	FF	69	B4	255	105	180
DeepPink	FF	14	93	255	20	147
PaleVioletRed	DB	70	93	219	112	147
MediumVioletRed	C7	15	85	199	21	133

Red colors						
LightSalmon	FF	A0	7A	255	160	122
Salmon	FA	80	72	250	128	114
DarkSalmon	E9	96	7A	233	150	122
LightCoral	F0	80	80	240	128	128
IndianRed	CD	5C	5C	205	92	92
Crimson	DC	14	3C	220	20	60
FireBrick	B2	22	22	178	34	34
DarkRed	8B	00	00	139	0	0
Red	FF	00	00	255	0	0

Orange colors						
OrangeRed	FF	45	00	255	69	0
Tomato	FF	63	47	255	99	71
Coral	FF	7F	50	255	127	80
DarkOrange	FF	8C	00	255	140	0
Orange	FF	A5	00	255	165	0

Yellow colors						
Yellow	FF	FF	00	255	255	0
LightYellow	FF	FF	E0	255	255	224
LemonChiffon	FF	FA	CD	255	250	205
LightGoldenrodYellow	FA	FA	D2	250	250	210
PapayaWhip	FF	EF	D5	255	239	213
Moccasin	FF	E4	B5	255	228	181
PeachPuff	FF	DA	B9	255	218	185
PaleGoldenrod	EE	E8	AA	238	232	170
Khaki	F0	E6	8C	240	230	140
DarkKhaki	BD	B7	6B	189	183	107
Gold	FF	D7	00	255	215	0

Brown colors						
Cornsilk	FF	F8	DC	255	248	220
BlanchedAlmond	FF	EB	CD	255	235	205
Bisque	FF	E4	C4	255	228	196
NavajoWhite	FF	DE	AD	255	222	173
Wheat	F5	DE	B3	245	222	179
BurlyWood	DE	B8	87	222	184	135
Tan	D2	B4	8C	210	180	140
RosyBrown	BC	8F	8F	188	143	143
SandyBrown	F4	A4	60	244	164	96
Goldenrod	DA	A5	20	218	165	32
DarkGoldenrod	B8	86	0B	184	134	11
Peru	CD	85	3F	205	133	63
Chocolate	D2	69	1E	210	105	30
SaddleBrown	8B	45	13	139	69	19
Sienna	A0	52	2D	160	82	45
Brown	A5	2A	2A	165	42	42
Maroon	80	00	00	128	0	0

HTML name	Hex code			Decimal code		
	R	G	B	R	G	B
Green colors						
DarkOliveGreen	55	6B	2F	85	107	47
Olive	80	80	00	128	128	0
OliveDrab	6B	8E	23	107	142	35
YellowGreen	9A	CD	32	154	205	50
LimeGreen	32	CD	32	50	205	50
Lime	00	FF	00	0	255	0
LawnGreen	7C	FC	00	124	252	0
Chartreuse	7E	FF	00	127	255	0
GreenYellow	AD	FF	2F	173	255	47
SpringGreen	00	FF	7F	0	255	127
MediumSpringGreen	00	FA	9A	0	250	154
LightGreen	90	EE	90	144	238	144
PaleGreen	98	FB	98	152	251	152
DarkSeaGreen	8F	BC	8F	143	188	143
MediumSeaGreen	3C	B3	71	60	179	113
SeaGreen	2E	8B	57	46	139	87
ForestGreen	22	8B	22	34	139	34
Green	00	80	00	0	128	0
DarkGreen	00	64	00	0	100	0

Cyan colors						
MediumAquamarine	66	CD	AA	102	205	170
Aqua	00	FF	FF	0	255	255
Cyan	00	FF	FF	0	255	255
LightCyan	E0	FF	FF	224	255	255
PaleTurquoise	AF	EE	EE	175	238	238
Aquamarine	7F	FF	D4	127	255	212
Turquoise	40	E0	D0	64	224	208
MediumTurquoise	48	D1	CC	72	209	204
DarkTurquoise	00	CE	D1	0	206	209
LightSeaGreen	20	B2	AA	32	178	170
CadetBlue	5F	9E	A0	95	158	160
DarkCyan	00	8B	8B	0	139	139
Teal	00	80	80	0	128	128

Blue colors						
LightSteelBlue	B0	C4	DE	176	196	222
PowderBlue	B0	E0	E6	176	224	230
LightBlue	AD	D8	E6	173	216	230
SkyBlue	87	CE	EB	135	206	235
LightSkyBlue	87	CE	FA	135	206	250
DeepSkyBlue	00	BF	FF	0	191	255
DodgerBlue	1E	90	FF	30	144	255
CornflowerBlue	64	95	ED	100	149	237
SteelBlue	46	82	B4	70	130	180
RoyalBlue	41	69	E1	65	105	225
Blue	00	00	FF	0	0	255
MediumBlue	00	00	CD	0	0	205
DarkBlue	00	00	8B	0	0	139
Navy	00	00	80	0	0	128
MidnightBlue	19	19	70	25	25	112

HTML name	Hex code			Decimal code		
	R	G	B	R	G	B
Purple colors						
Lavender	E6	E6	FA	230	230	250
Thistle	D8	BF	D8	216	191	216
Plum	DD	A0	DD	221	160	221
Violet	EE	82	EE	238	130	238
Orchid	DA	70	D6	218	112	214
Fuchsia	FF	00	FF	255	0	255
Magenta	FF	00	FF	255	0	255
MediumOrchid	BA	55	D3	186	85	211
MediumPurple	93	70	DB	147	112	219
BlueViolet	8A	2B	E2	138	43	226
DarkViolet	94	00	D3	148	0	211
DarkOrchid	99	32	CC	153	50	204
DarkMagenta	8B	00	8B	139	0	139
Purple	80	00	80	128	0	128
Indigo	4B	00	82	75	0	130
DarkSlateBlue	48	3D	8B	72	61	139
SlateBlue	6A	5A	CD	106	90	205
MediumSlateBlue	7B	68	EE	123	104	238

White colors						
White	FF	FF	FF	255	255	255
Snow	FF	FA	FA	255	250	250
Honeydew	F0	FF	F0	240	255	240
MintCream	F5	FF	FA	245	255	250
Azure	F0	FF	FF	240	255	255
AliceBlue	F0	F8	FF	240	248	255
GhostWhite	F8	F8	FF	248	248	255
WhiteSmoke	F5	F5	F5	245	245	245
Seashell	FF	F5	EE	255	245	238
Beige	F5	F5	DC	245	245	220
OldLace	FD	F5	E6	253	245	230
FloralWhite	FF	FA	F0	255	250	240
Ivory	FF	FF	F0	255	255	240
AntiqueWhite	FA	EB	D7	250	235	215
Linen	FA	F0	E6	250	240	230
LavenderBlush	FF	F0	F5	255	240	245
MistyRose	FF	E4	E1	255	228	225

Gray/Black colors						
Gainsboro	DC	DC	DC	220	220	220
LightGray	D3	D3	D3	211	211	211
Silver	C0	C0	C0	192	192	192
DarkGray	A9	A9	A9	169	169	169
Gray	80	80	80	128	128	128
DimGray	69	69	69	105	105	105
LightSlateGray	77	88	99	119	136	153
SlateGray	70	80	90	112	128	144
DarkSlateGray	2F	4F	4F	47	79	79
Black	00	00	00	0	0	0

Find the complete list at:

http://en.wikipedia.org/wiki/Web_colors

Notes

Notes

For more information or assistance contact:

VRDB

VRSupport@sos.wa.gov

WEI

WEISupport@sos.wa.gov