

Converting Colors

HunterLab(33.2714, -12.7010,
15.5591)

Have a look what the booklet for
HunterLab(33.2714, -12.7010,
15.5591) contains.

HunterLab(33.2700, -12.8136, 15.4839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(33.2700,
-12.8136, 15.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	51642F
RGB	81, 100, 47
RGB Percent	32%, 39%, 18%
CMY	0.6824, 0.6078, 0.8157
CMYK	0.19, 0.00, 0.53, 0.61
HSL	82°, 36%, 29%
HSV	82°, 53%, 39%
XYZ	8.4636, 11.0689, 4.3798
YIQ	88.2770, 5.6890, -20.5110

Conversions

Conversions Part 2

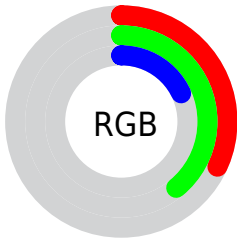
Format	Color
R_{YB}	47, 100, 66
Decimal	5334063
CIE _{Lab}	39.70, -16.80, 27.50
CIE _{LCh}	40, 32.225, 121.413
Yxy	11.0694, 0.3539, 0.4629
Android (android.graphics.Color)	4283524143 (0xFF51642F)
YUV	88.2770, -20.3496, -6.3819
Hunter-Lab	33.2700, -12.8136, 15.4839

Details

The HunterLab color $[33.2700, -12.8136, 15.4839]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[20.2773, 13.4942, -22.5239]$, and the grayscale version is $[31.4124, -1.6761, 1.7067]$.

A 20% lighter version of the original color is $[52.7702, -15.8920, 20.3405]$, and $[17.0398, -9.2222, 10.3384]$ is the 20% darker color. If you saturate the color by 10%, you get $[32.9295, -14.3398, 16.8884]$, and if you desaturate by 10%, it is $[33.6485, -11.1160, 13.7184]$.

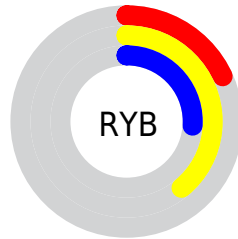
Distribution



Red (32%)

Green (39%)

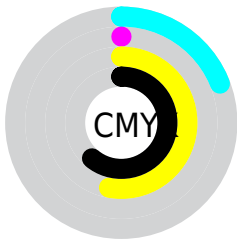
Blue (18%)



Red (18%)

Yellow (39%)

Blue (26%)

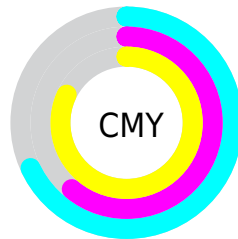


Cyan (19%)

Magenta (0%)

Yellow (53%)

Black (61%)



Cyan (68%)

Magenta (61%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 33.2700, -12.8136, 15.4839 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the HunterLab color 33.2700, -12.8136, 15.4839 by changing the saturation by 10% instead.

■ 33.2700, -12.8136,
15.4839

■ 33.2700, -12.8136,
15.4839

140.7633,
-26.1713, 34.3599

■ 24.7256, -11.1624,
12.9052

■ 52.7148, -15.9279,
20.1676

■ 17.0712, -9.3985,
10.3815

■ 63.4984, -17.4285,
22.3501

■ 10.4265, -7.7973,
7.2986

■ 74.9310, -18.9072,
24.4595

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 86.9777, -20.3713,
26.5121

0.0000, NaN, NaN

■ 99.6086, -21.8262,
28.5201

0.0000, NaN, NaN

■ 112.7979,

0.0000, NaN, NaN

-23.2758, 30.4928

0.0000, NaN, NaN

126.5229,
-24.7234, 32.4375

■ 33.2700, -12.8136,
15.4839

■ 33.2700, -12.8136,
15.4839

■ 32.9295, -14.3398,
16.8884

■ 33.6485, -11.1160,
13.7184

■ 32.6237, -15.6933,
17.9433

■ 34.0634, -9.2457,
11.5845

■ 32.3520, -16.8793,
18.6677

■ 34.5159, -7.2065,
9.0810

■ 32.1114, -17.9109,
19.1022

■ 35.0061, -5.0035,
6.2102

■ 31.9528, -18.5924,
19.3637

■ 35.5338, -2.6427,
2.9783

■ 36.0988, -0.1314,
-0.6059

■ 36.7007, 2.5226,
-4.5309

■ 37.3389, 5.3107,
-8.7835

■ 38.0127, 8.2242,
-13.3493

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2707, -2.3355, 16.9864



33.2700, -12.8136, 15.4839



33.2707, -19.4761, 10.5850

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.2707, -12.8145, 15.4842



33.2707, -11.9698, -23.3196



33.2707, 24.1318, 2.3397

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.2700, -12.8136, 15.4839



20.2773, 13.4942, -22.5239

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.2707, 20.6269, -10.2856



33.2700, -12.8136, 15.4839



33.2707, -1.2148, -27.8673

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.2707, -12.8145, 15.4842



33.2707, -19.0384, -11.5446



33.2707, 10.9180, -22.4318



33.2707, 19.9288, 11.2245

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.2700, -12.8136, 15.4839



33.2707, -21.4013, 4.8806



33.2707, 10.9180, -22.4318



33.2707, 23.8133, -1.5821

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.2707, -12.8145, 15.4842



46.1180, -7.6605, 9.5953



25.9980, 7.3095, 10.0143



22.8304, -4.0057, 5.0291



73.3645, -3.9145, 3.9860



23.4461, -1.2510, 1.2739

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2707, -12.8145, 15.4842



43.4782, -19.5240, 22.8081



31.8292, -18.4442, 14.2802



17.9482, -2.0715, 2.5189



36.9390, -21.6539, 22.3825



84.0601, -50.6561, 50.9106

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.2773, 13.4942, -22.5239



22.7930, 23.3507, -40.5279



22.8720, 20.3465, -16.8055



16.7541, 0.2646, -0.7551



13.0629, 31.8020, -64.6701



29.0604, 71.8782, -152.6252

Previews

White Background



This preview shows how the HunterLab color 33.2700, -12.8136, 15.4839 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the HunterLab color 33.2700, -12.8136, 15.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

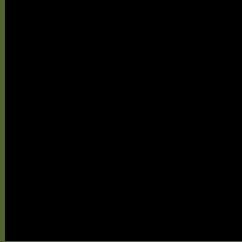
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

HunterLab 33.2700, -12.8136, 15.4839 Background



This preview shows how black text looks on a background with the HunterLab color 33.2700, -12.8136, 15.4839.



This preview shows how white text looks on a background with the HunterLab color 33.2700,

-12.8136, 15.4839.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.2700, -12.8136, 15.4839

Protanopia

33.0178, -3.8192, 15.8205

Deuteranopia

33.0945, 1.8869, 15.0195



Tritanopia

33.2256, -2.1354, -1.9953

Trichromacy



Original Color

33.2700, -12.8136, 15.4839

Protanomaly

33.1601, -7.4552, 15.6810

Deuteranomaly

32.9776, -3.8635, 15.0288

Tritanomaly

33.0246, -6.7034, 5.9008

Monochromacy



Original Color

33.2700, -12.8136, 15.4839

Achromatopsia

31.2390, -1.6668, 1.6973

Achromatomaly

31.7279, -6.1502, 7.6639

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 33.2700, -12.8136, 15.4839 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(81, 100, 47)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(81, 100, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 47) }
```

Border

The CSS property to change the border of an element to HunterLab 33.2700, -12.8136, 15.4839 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 100, 47) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(81, 100, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(81, 100, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 47);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
47) }
```

Background

The CSS property to change the background color of an element to HunterLab 33.2700, -12.8136, 15.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(81, 100,  
47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor