

# Converting Colors

HunterLab(28.5548, 16.8085,  
16.1691)

Have a look what the booklet for  
HunterLab(28.5548, 16.8085,  
16.1691) contains.

<b>HunterLab(28.5112, 16.9981, 16.1804)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(28.5112, 16.9981,  
16.1804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F3F17
RGB	127, 63, 23
RGB Percent	50%, 25%, 9%
CMY	0.5020, 0.7529, 0.9098
CMYK	0.00, 0.50, 0.82, 0.50
HSL	23°, 69%, 29%
HSV	23°, 82%, 50%
XYZ	10.6845, 8.1289, 1.8165
YIQ	77.5760, 50.9840, 1.1280

# Conversions

## Conversions Part 2

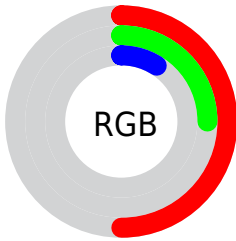
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 88, 23
Decimal	8339223
CIE Lab	34.25, 24.71, 35.53
CIE LCh	34, 43.283, 55.182
Yxy	8.1293, 0.5179, 0.3940
Android (android.graphics.Color)	4286529303 (0xFF7F3F17)
YUV	77.5760, -26.9060, 43.3448
Hunter-Lab	28.5112, 16.9981, 16.1804

# Details

The HunterLab color **28.5112, 16.9981, 16.1804** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **29.2066, -4.7120, -22.8453**, and the grayscale version is **27.5306, -1.4690, 1.4958**.

A 20% lighter version of the original color is **47.1257, 18.4183, 22.2776**, and **13.3365, 15.1135, 8.4825** is the 20% darker color. If you saturate the color by 10%, you get **26.9906, 20.1170, 16.3339**, and if you desaturate by 10%, it is **30.2010, 13.9826, 15.6247**.

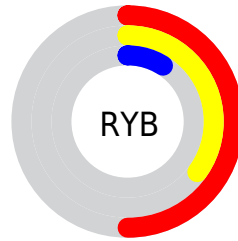
# Distribution



Red (50%)

Green (25%)

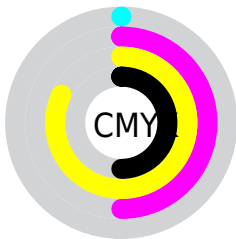
Blue (9%)



Red (50%)

Yellow (35%)

Blue (9%)

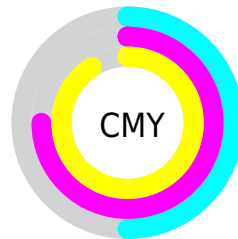


Cyan (0%)

Magenta (50%)

Yellow (82%)

Black (50%)



Cyan (50%)

Magenta (75%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 28.5112, 16.9981, 16.1804 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 28.5112, 16.9981, 16.1804 by changing the saturation by 10% instead.



■ 28.5112, 16.9981,  
16.1804

■ 28.5112, 16.9981,  
16.1804

■ 132.9447, 21.7077,  
39.7846

■ 20.4397, 15.9385,  
13.0347

■ 47.1292, 18.7016,  
22.2555

■ 13.3174, 14.7245,  
9.3221

■ 57.5423, 19.3818,  
25.0315

■ 6.8599, 15.7933,  
4.8020

■ 68.6261, 19.9642,  
27.6832

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 80.3424, 20.4590,  
30.2361

0.0000, NaN, NaN

■ 92.6586, 20.8744,  
32.7094

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 105.5468, 21.2173,


35.1180


0.0000, NaN, NaN


 118.9826, 21.4934,  
37.4733


 28.5112, 16.9981,  
16.1804

 28.5112, 16.9981,  
16.1804


 26.9906, 20.1170,  
16.3339

 30.2010, 13.9826,  
15.6247

 25.8769, 22.6226,  
16.3413

 32.0437, 11.1249,  
14.6854

 34.0257, 8.4494,  
13.3966

 36.1332, 5.9663,  
11.7968

 38.3538, 3.6751,  
9.9238

■ 40.6763, 1.5682,  
7.8124

■ 43.0905, -0.3657,  
5.4936

■ 45.5879, -2.1398,  
2.9936

■ 48.1608, -3.7679,  
0.3352

# Harmonies

## Analogous

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



28.5120, 29.7524, 10.9715



28.5112, 16.9981, 16.1804



28.5120, 0.9540, 17.6273

# Triad

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



28.5120, 16.9961, 16.1807



28.5120, -25.0476, 3.7732



28.5120, 11.8951, -36.3999

# Complementary

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



28.5112, 16.9981, 16.1804



29.2066, -4.7120, -22.8453

# 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.



28.5120, -3.9179, -41.8919



28.5112, 16.9981, 16.1804



28.5120, -23.3064, -12.8577

# Square

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



28.5120, 16.9961, 16.1807



28.5120, -21.6383, 13.2373



28.5120, -16.2633, -31.6540



28.5120, 26.4041, -19.1192



# Rectangle

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



28.5112, 16.9981, 16.1804



28.5120, -8.7268, 17.4022



28.5120, -16.2633, -31.6540



28.5120, 6.4760, -39.9709

# Sweetspot

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



28.5120, 16.9961, 16.1807



53.2662, 3.1156, 11.5362



24.1146, 37.6282, -6.7218



25.3291, 1.9117, 5.9859



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207



# Same Dimension

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



28.5120, 16.9961, 16.1807



34.5831, 30.4663, 21.6801



40.9937, -6.3262, 23.9769



21.4346, -0.4287, 2.3570



25.9822, 22.7317, 16.4081

0.0000, NaN, NaN



# Inverse Universe

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



29.2066, -4.7120, -22.8453



35.3829, -2.4995, -38.4917



17.1010, 20.0619, -58.7246



21.4886, -1.7882, -0.0705



26.5694, -2.0187, -28.8515

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 28.5112, 16.9981, 16.1804 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

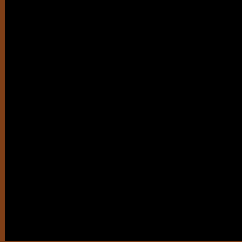
Any Text WCAG AA × Fail

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 28.5112, 16.9981, 16.1804 Background



This preview shows how black text looks on a background with the HunterLab color 28.5112, 16.9981, 16.1804.



This preview shows how white text looks on a background with the HunterLab color 28.5112, 16.9981,



# 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

28.5112, 16.9981, 16.1804

### Protanopia

28.6231, -3.5284, 15.3000

### Deuteranopia

28.5885, 1.3848, 16.5405



## Tritanopia

28.5551, 22.0061, 8.2165

# Trichromacy



## Original Color

28.5112, 16.9981, 16.1804

## Protanomaly

28.1340, 3.7063, 15.3414

## Deuteranomaly

28.3923, 6.8355, 16.3283

## Tritanomaly

28.3449, 19.9923, 11.9668

# Monochromacy



## Original Color

28.5112, 16.9981, 16.1804

## Achromatopsia

27.6017, -1.4728, 1.4997

## Achromatomaly

27.4907, 3.6423, 8.3700

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 28.5112, 16.9981, 16.1804 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(127, 63, 23)` looks like.

```
.text, #text, p{  
    color:rgb(127, 63, 23)  
}
```

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(127, 63, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 63, 23) }
```

## Border

The CSS property to change the border of an element to HunterLab 28.5112, 16.9981, 16.1804 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(127, 63, 23) }
```



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

```
.border{ border-color:rgb(127, 63, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 63, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 63, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 63, 23);  
box-shadow:4px 4px 4px 4px rgb(127, 63,  
23) }
```

# Background

The CSS property to change the background color of an element to HunterLab 28.5112, 16.9981, 16.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 63, 23) }
```

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

```
.background{ background-color: rgb(127, 63,  
23) }
```

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