

# Converting Colors

HunterLab(48.8891, 16.4751,  
30.4136)

Have a look what the booklet for  
HunterLab(48.8891, 16.4751,  
30.4136) contains.

<b>HunterLab(48.7842, 16.5197, 30.3498)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(48.7842, 16.5197,  
30.3498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF7500
RGB	191, 117, 0
RGB Percent	75%, 46%, 0%
CMY	0.2510, 0.5412, 1.0000
CMYK	0.00, 0.39, 1.00, 0.25
HSL	37°, 100%, 37%
HSV	37°, 100%, 75%
XYZ	27.8472, 23.7990, 3.1260
YIQ	125.7880, 81.6610, -20.6990

# Conversions

## Conversions Part 2

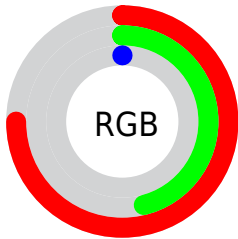
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 191, 0
Decimal	12547328
CIE <sub>Lab</sub>	55.89, 22.23, 62.70
CIE <sub>LCh</sub>	56, 66.524, 70.479
Yxy	23.8002, 0.5084, 0.4345
Android (android.graphics.Color)	4290737408 (0xFFBF7500)
YUV	125.7880, -62.0135, 57.1909
Hunter-Lab	48.7842, 16.5197, 30.3498

# Details

The HunterLab color **48.7842, 16.5197, 30.3498** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **29.4268, 20.4016, -80.8210**, and the grayscale version is **45.8076, -2.4442, 2.4888**.

A 20% lighter version of the original color is **70.4726, 17.7786, 39.2685**, and **29.9325, 15.7633, 18.7202** is the 20% darker color. If you saturate the color by 10%, you get **48.7848, 16.5181, 30.3501**, and if you desaturate by 10%, it is **50.6368, 13.1299, 30.7050**.

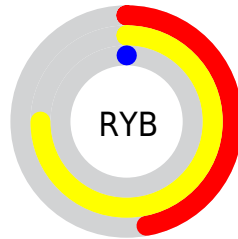
# Distribution



Red (75%)

Green (46%)

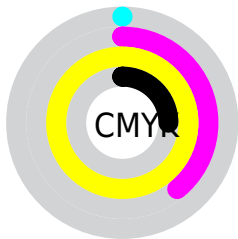
Blue (0%)



Red (47%)

Yellow (75%)

Blue (0%)

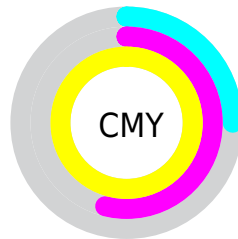


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (54%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.7842, 16.5197, 30.3498 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 48.7842, 16.5197, 30.3498 by changing the saturation by 10% instead.



■ 48.7842, 16.5197,  
30.3498

■ 48.7842, 16.5197,  
30.3498

164.8663, 18.7874,  
65.7946

■ 38.9686, 15.8627,  
25.5138

■ 70.5011, 17.5260,  
39.3105

■ 29.9160, 15.0905,  
20.9412

■ 82.3176, 17.9025,  
43.4899

■ 21.6988, 14.1819,  
15.1891

■ 94.7292, 18.2045,  
47.5048

■ 14.4125, 13.1168,  
10.0887

■ 107.7086, 18.4384,  
51.3780

■ 8.0731, 12.5037,  
5.6512

■ 121.2319, 18.6094,  
55.1288

0.0000, INF, NaN

0.0000, NaN, NaN

■ 135.2782, 18.7220,

58.7731

0.0000, NaN, NaN

149.8287, 18.7803,  
62.3245

0.0000, NaN, NaN

48.7842, 16.5197,  
30.3498

48.7842, 16.5197,  
30.3498

48.7848, 16.5181,  
30.3501

50.6368, 13.1299,  
30.7050

52.5997, 9.9736,  
30.4995

54.6803, 7.1201,  
29.5774

56.8756, 4.5903,  
27.9215

59.1813, 2.3922,  
25.5413

■ 61.5923, 0.5243,  
22.4625

■ 64.1032, -1.0210,  
18.7203

■ 66.7085, -2.2554,  
14.3546

■ 69.4028, -3.1936,  
9.4070

# Harmonies

## Analogous

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



48.7855, 44.9266, 25.4378



48.7842, 16.5197, 30.3498



48.7855, -11.9274, 30.8334

# Triad

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



48.7855, 16.5167, 30.3503



48.7855, -44.7384, -7.4970



48.7855, 37.0482, -53.8099

# Complementary

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



48.7842, 16.5197, 30.3498



29.4268, 20.4016, -80.8210

# 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.



48.7855, 7.4732, -78.1592



48.7842, 16.5197, 30.3498



48.7855, -36.8940, -43.0674

# Square

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



48.7855, 16.5167, 30.3503



48.7855, -43.3695, 16.7438



48.7855, -19.1721, -73.3980



48.7855, 58.4925, -17.5113



# Rectangle

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



48.7842, 16.5197, 30.3498



48.7855, -26.8076, 29.2609



48.7855, -19.1721, -73.3980



48.7855, 27.4852, -64.3822

# Sweetspot

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



48.7855, 16.5167, 30.3503



85.6248, -1.2770, 25.3125



34.0645, 59.8836, 10.0093



39.4458, -0.2050, 12.9046



98.8636, -5.2751, 5.3714



45.2661, -2.4153, 2.4594



# Same Dimension

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



48.7855, 16.5167, 30.3503



64.9150, 22.8749, 40.4008



67.8386, -24.9871, 41.3642



32.3772, -1.5098, 4.2185



39.7502, 12.9778, 24.7211



8.6157, 1.1176, 5.3285



# Inverse Universe

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



29.4268, 20.4016, -80.8210



38.8219, 28.6629, -110.3990



19.7516, 52.8668, -134.8612



31.3292, -1.7737, -0.9231



24.1586, 15.8145, -64.3352



5.9689, 0.6733, -8.9140



# Previews

## White Background



This preview shows how the HunterLab color 48.7842, 16.5197, 30.3498 looks on a white 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



# Black Background



This preview shows how the HunterLab color 48.7842, 16.5197, 30.3498 looks on a black 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

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

## HunterLab 48.7842, 16.5197, 30.3498 Background



This preview shows how black text looks on a background with the HunterLab color 48.7842, 16.5197, 30.3498.



This preview shows how white text looks on a background with the HunterLab color 48.7842, 16.5197,



# 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

48.7842, 16.5197, 30.3498

### Protanopia

49.0256, -6.8146, 29.5876

### Deuteranopia

48.9739, 2.8525, 30.2274



## Tritanopia

48.8096, 28.6297, 10.1341

# Trichromacy



## Original Color

48.7842, 16.5197, 30.3498

## Protanomaly

48.5439, 1.4391, 29.6220

## Deuteranomaly

48.8675, 7.8742, 30.2497

## Tritanomaly

48.5305, 22.7603, 22.3878

# Monochromacy



## Original Color

48.7842, 16.5197, 30.3498

## Achromatopsia

45.6768, -2.4372, 2.4817

## Achromatomaly

46.0751, 1.1457, 18.6452

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.7842, 16.5197, 30.3498 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(191, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 117, 0)  
}
```

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(191, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 117, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.7842, 16.5197, 30.3498 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(191, 117, 0) }
```



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

```
.border{ border-color:rgb(191, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 117,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.7842, 16.5197, 30.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 117, 0) }
```

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

```
.background{ background-color: rgb(191,  
117, 0) }
```

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