

# Converting Colors

HunterLab(48.2228, 17.8532,  
30.0272)

Have a look what the booklet for  
HunterLab(48.2228, 17.8532,  
30.0272) contains.

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# Color

**HunterLab(48.0739, 17.9909,  
29.9379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF7200
RGB	191, 114, 0
RGB Percent	75%, 45%, 0%
CMY	0.2510, 0.5529, 1.0000
CMYK	0.00, 0.40, 1.00, 0.25
HSL	36°, 100%, 37%
HSV	36°, 100%, 75%
XYZ	27.5032, 23.1110, 3.0113
YIQ	124.0270, 82.4860, -19.1300

# Conversions

## Conversions Part 2

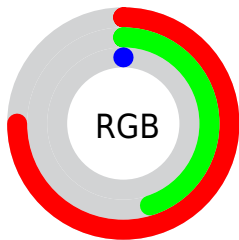
Format	Color
R <sub>Y</sub> B	129, 191, 0
Decimal	12546560
CIE Lab	55.19, 23.87, 62.25
CIE LCh	55, 66.673, 69.020
Yxy	23.1122, 0.5129, 0.4310
Android (android.graphics.Color)	4290736640 (0xFFBF7200)
YUV	124.0270, -61.1453, 58.7353
Hunter-Lab	48.0739, 17.9909, 29.9379

# Details

The HunterLab color **48.0739, 17.9909, 29.9379** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **30.1154, 18.7674, -78.1544**, and the grayscale version is **45.1152, -2.4072, 2.4512**.

A 20% lighter version of the original color is **69.6767, 19.2934, 38.8863**, and **29.3358, 17.1177, 18.3763** is the 20% darker color. If you saturate the color by 10%, you get **48.0745, 17.9891, 29.9382**, and if you desaturate by 10%, it is **49.9705, 14.4552, 30.3080**.

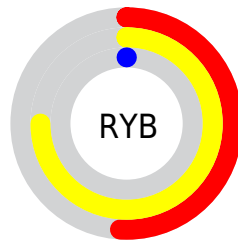
# Distribution



Red (75%)

Green (45%)

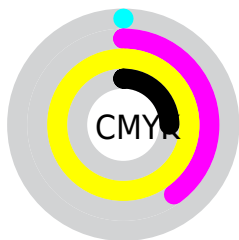
Blue (0%)



Red (51%)

Yellow (75%)

Blue (0%)

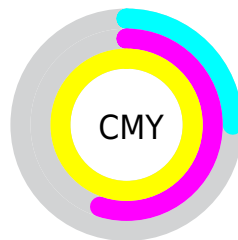


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.0739, 17.9909, 29.9379 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 48.0739, 17.9909, 29.9379 by changing the saturation by 10% instead.



■ 48.0739, 17.9909,  
29.9379

■ 48.0739, 17.9909,  
29.9379

163.7989, 20.8915,  
65.2472

■ 38.3098, 17.2481,  
25.1135

■ 69.6976, 19.1574,  
38.8718

■ 29.3131, 16.3860,  
20.5192

■ 81.4713, 19.6090,  
43.0363

■ 21.1575, 15.3840,  
14.8103

■ 93.8422, 19.9832,  
47.0359

■ 13.9408, 14.2253,  
9.7586

■ 106.7827, 20.2865,  
50.8936

■ 7.5784, 14.1174,  
5.3048

■ 120.2688, 20.5246,  
54.6285

0.0000, INF, NaN

0.0000, NaN, NaN


■ 134.2791, 20.7022,


58.2570


0.0000, NaN, NaN


 148.7948, 20.8233,  
61.7928


0.0000, NaN, NaN

 48.0739, 17.9909,  
29.9379

 48.0739, 17.9909,  
29.9379

 48.0745, 17.9891,  
29.9382

 49.9705, 14.4552,  
30.3080

 51.9856, 11.1508,  
30.1171

 54.1256, 8.1491,  
29.2104

 56.3868, 5.4719,  
27.5735

 58.7640, 3.1272,  
25.2194

■ 61.2513, 1.1134,  
22.1768

■ 63.8426, -0.5776,  
18.4832

■ 66.5319, -1.9584,  
14.1805

■ 69.3131, -3.0442,  
9.3118

# Harmonies

## Analogous

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



48.0752, 46.1054, 24.8110



48.0739, 17.9909, 29.9379



48.0752, -10.6227, 30.5622

# Triad

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



48.0752, 17.9879, 29.9384



48.0752, -44.6155, -6.0071



48.0752, 35.6944, -55.5945

# Complementary

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



48.0739, 17.9909, 29.9379



30.1154, 18.7674, -78.1544

# 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.



48.0752, 6.0551, -78.9261



48.0739, 17.9909, 29.9379



48.0752, -37.2943, -41.3580

# Square

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



48.0752, 17.9879, 29.9384



48.0752, -42.8204, 17.4319



48.0752, -20.1614, -72.6089



48.0752, 57.8281, -19.2421



# Rectangle

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



48.0739, 17.9909, 29.9379



48.0752, -25.7371, 29.1620



48.0752, -20.1614, -72.6089



48.0752, 26.0391, -65.9452

# Sweetspot

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



48.0752, 17.9879, 29.9384



85.2710, -0.6744, 24.9914



34.1314, 60.1290, 9.0392



39.2583, 0.1164, 12.7402



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.



48.0752, 17.9879, 29.9384



63.9563, 24.8742, 39.8451



68.1065, -23.9729, 41.5470



32.3383, -1.4448, 4.1767



39.1790, 14.1538, 24.3897



8.5227, 1.2900, 5.2742



# Inverse Universe

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



30.1154, 18.7674, -78.1544



39.7446, 26.4335, -106.7395



19.6753, 52.8103, -135.4827



31.3684, -1.8386, -0.8749



24.7162, 14.5123, -62.2211

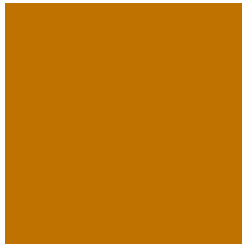


6.0662, 0.4969, -8.6549



# Previews

## White Background



This preview shows how the HunterLab color 48.0739, 17.9909, 29.9379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

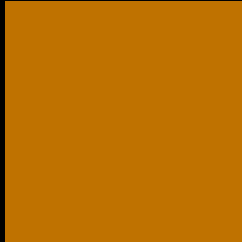
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 48.0739, 17.9909, 29.9379 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 48.0739, 17.9909, 29.9379 Background



This preview shows how black text looks on a background with the HunterLab color 48.0739, 17.9909, 29.9379.



This preview shows how white text looks on a background with the HunterLab color 48.0739, 17.9909,



# 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

48.0739, 17.9909, 29.9379

### Protanopia

48.2634, -6.6033, 29.0689

### Deuteranopia

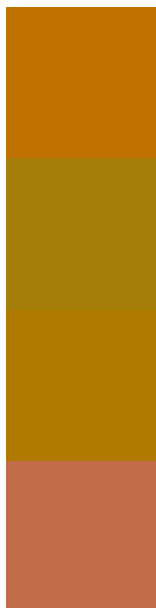
48.2147, 3.0305, 29.7627



## Tritanopia

48.0885, 29.7893, 10.5256

# Trichromacy



## Original Color

48.0739, 17.9909, 29.9379

## Protanomaly

47.8988, 2.0109, 29.1948

## Deuteranomaly

48.1136, 8.0460, 29.7882

## Tritanomaly

47.8410, 24.1794, 22.0909

# Monochromacy



## Original Color

48.0739, 17.9909, 29.9379

## Achromatopsia

44.8950, -2.3955, 2.4392

## Achromatomaly

45.0481, 1.7635, 18.0536

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.0739, 17.9909, 29.9379 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, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 114, 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, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 114, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.0739, 17.9909, 29.9379 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, 114, 0) }
```



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

```
.border{ border-color:rgb(191, 114, 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, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 114,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.0739, 17.9909, 29.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 114, 0) }
```

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

```
.background{ background-color: rgb(191,  
114, 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](#).

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