

# Converting Colors

HunterLab(47.8802, 24.5489,  
28.9934)

Have a look what the booklet for  
HunterLab(47.8802, 24.5489,  
28.9934) contains.

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# Color

**HunterLab(47.8802, 24.5489,  
28.9934)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C76C16
RGB	199, 108, 22
RGB Percent	78%, 42%, 9%
CMY	0.2196, 0.5764, 0.9137
CMYK	0.00, 0.46, 0.89, 0.22
HSL	29°, 80%, 43%
HSV	29°, 89%, 78%
XYZ	29.0605, 22.9251, 3.6524
YIQ	125.4050, 81.8420, -7.4540

# Conversions

## Conversions Part 2

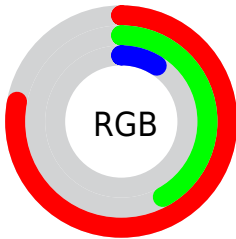
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 189, 22
Decimal	13069334
CIE <sub>Lab</sub>	55.00, 30.82, 57.90
CIE <sub>LCh</sub>	55, 65.597, 61.972
Yxy	22.9264, 0.5223, 0.4120
Android (android.graphics.Color)	4291259414 (0xFFC76C16)
YUV	125.4050, -50.9787, 64.5428
Hunter-Lab	47.8802, 24.5489, 28.9934

# Details

The HunterLab color **47.8802, 24.5489, 28.9934** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **40.1293, 3.3653, -55.0450**, and the grayscale version is **45.6156, -2.4339, 2.4784**.

A 20% lighter version of the original color is **68.5007, 23.7441, 36.7074**, and **29.3546, 22.8851, 18.4888** is the 20% darker color. If you saturate the color by 10%, you get **45.6509, 29.2468, 28.5634**, and if you desaturate by 10%, it is **50.3201, 20.0452, 28.7877**.

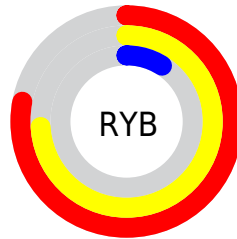
# Distribution



Red (78%)

Green (42%)

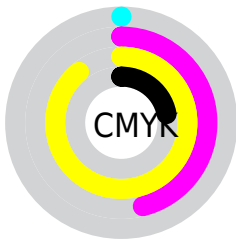
Blue (9%)



Red (78%)

Yellow (74%)

Blue (9%)

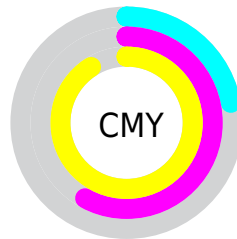


Cyan (0%)

Magenta (46%)

Yellow (89%)

Black (22%)



Cyan (22%)

Magenta (58%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 47.8802, 24.5489, 28.9934 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 47.8802, 24.5489, 28.9934 by changing the saturation by 10% instead.



47.8802, 24.5489,  
28.9934

47.8802, 24.5489,  
28.9934

163.5074, 29.8986,  
62.1358

38.1302, 23.4883,  
24.4569

69.4783, 26.3211,  
37.3699

29.1489, 22.3014,  
20.0580

81.2404, 27.0608,  
41.2724

21.0103, 20.9744,  
14.7072

93.6001, 27.7139,  
45.0218

13.8128, 19.5118,  
9.6689

106.5300, 28.2875,  
48.6405

7.4373, 19.5767,  
5.2061

120.0058, 28.7878,  
52.1470

0.0000, INF, NaN

0.0000, NaN, NaN

134.0063, 29.2201,

55.5569

0.0000, NaN, NaN

148.5125, 29.5890,  
58.8829

0.0000, NaN, NaN

47.8802, 24.5489,  
28.9934

47.8802, 24.5489,  
28.9934

45.6509, 29.2468,  
28.5634

50.3201, 20.0452,  
28.7877

45.4257, 29.7427,  
28.5118

52.9605, 15.8382,  
27.8408

55.7893, 11.9643,  
26.1658

58.7925, 8.4398,  
23.8025

61.9562, 5.2651,  
20.8034

■ 65.2672, 2.4297,  
17.2252

■ 68.7132, -0.0830,  
13.1241

■ 72.2832, -2.2936,  
8.5529

■ 75.9670, -4.2238,  
3.5595

# Harmonies

## Analogous

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



47.8815, 50.3046, 22.1594



47.8802, 24.5489, 28.9934



47.8815, -4.3420, 30.4206

# Triad

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



47.8815, 24.5456, 28.9939



47.8815, -44.3803, 0.8643



47.8815, 28.3625, -61.6176

# Complementary

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



47.8802, 24.5489, 28.9934



40.1293, 3.3653, -55.0450

# 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.



47.8815, -0.7462, -78.4064



47.8802, 24.5489, 28.9934



47.8815, -39.3029, -31.8802

# Square

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



47.8815, 24.5456, 28.9939



47.8815, -40.4955, 20.5710



47.8815, -24.7153, -65.2824



47.8815, 52.8315, -27.1188



# Rectangle

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



47.8802, 24.5489, 28.9934



47.8815, -20.5776, 29.5824



47.8815, -24.7153, -65.2824



47.8815, 18.5981, -70.1750

# Sweetspot

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



47.8815, 24.5456, 28.9939



87.0578, 2.6735, 21.9970



37.3074, 63.1591, -0.9461



39.5605, 1.8047, 10.9910

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



47.8815, 24.5456, 28.9939



59.7089, 40.3084, 37.4980



71.9041, -17.9716, 43.3663



33.8724, -1.0344, 4.1153



36.6646, 23.2886, 23.0002



8.8398, 3.1680, 5.5025



# Inverse Universe

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



40.1293, 3.3653, -55.0450



48.4542, 11.6459, -85.7037



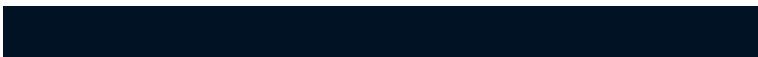
22.3324, 48.7302, -128.8353



33.4277, -2.4296, -0.5823



29.9613, 5.9021, -50.1899



7.5479, -0.5341, -8.2813



# Previews

## White Background



This preview shows how the HunterLab color 47.8802, 24.5489, 28.9934 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 47.8802, 24.5489, 28.9934 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 47.8802, 24.5489, 28.9934 Background



This preview shows how black text looks on a background with the HunterLab color 47.8802, 24.5489, 28.9934.



This preview shows how white text looks on a background with the HunterLab color 47.8802, 24.5489,



# 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

47.8802, 24.5489, 28.9934

### Protanopia

48.2217, -6.6395, 28.1686

### Deuteranopia

47.8359, 3.1193, 29.5309



## Tritanopia

47.9026, 34.3599, 12.5589

# Trichromacy



## Original Color

47.8802, 24.5489, 28.9934

## Protanomaly

47.6502, 4.0093, 28.2160

## Deuteranomaly

47.7440, 10.7791, 29.3230

## Tritanomaly

47.8058, 29.7641, 21.2709

# Monochromacy



## Original Color

47.8802, 24.5489, 28.9934

## Achromatopsia

45.2856, -2.4163, 2.4605

## Achromatomaly

45.3582, 4.4743, 15.9595

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 47.8802, 24.5489, 28.9934 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(199, 108, 22)` looks like.

```
.text, #text, p{  
    color:rgb(199, 108, 22)  
}
```

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(199, 108, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 108, 22) }
```

## Border

The CSS property to change the border of an element to HunterLab 47.8802, 24.5489, 28.9934 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(199, 108, 22) }
```



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

```
.border{ border-color:rgb(199, 108, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 108, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 108, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 108, 22);  
box-shadow:4px 4px 4px 4px rgb(199, 108,  
22) }
```

# Background

The CSS property to change the background color of an element to HunterLab 47.8802, 24.5489, 28.9934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 108, 22) }
```

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

```
.background{ background-color: rgb(199,  
108, 22) }
```

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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