

Converting Colors

CIELCh(52, 57.700, 57.412)

Have a look what the booklet for
CIELCh(52, 57.700, 57.412) contains.

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Color

CIELCh(52, 57.986, 57.246)

Conversions

Conversions Part 1	
Format	Color
Hex	BD6426
RGB	189, 100, 38
RGB Percent	74%, 39%, 15%
CMY	0.2579, 0.6070, 0.8502
CMYK	0.00, 0.47, 0.80, 0.26
HSL	25°, 66%, 45%
HSV	25°, 80%, 74%
XYZ	25.9762, 20.1443, 4.3699
YIQ	119.5430, 72.9460, -0.4140

Conversions

Conversions Part 2

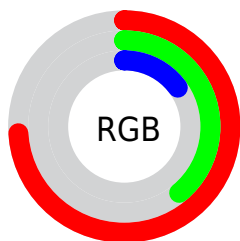
Format	Color
RYB	189, 143, 38
Decimal	12411942
CIELab	52.00, 31.37, 48.77
CIELCh	52, 57.986, 57.246
Yxy	20.1443, 0.5145, 0.3990
Android (android.graphics.Color)	4290602022 (0xFFBD6426)
YUV	119.5430, -40.2007, 60.9138
Hunter-Lab	44.8824, 24.7645, 25.6451

Details

The CIELCh color **52, 57.986, 57.246** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **51, 39.945, 264.317**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 57.713, 57.257**, and **32, 53.516, 53.957** is the 20% darker color. If you saturate the color by 10%, you get **50, 65.227, 55.783**, and if you desaturate by 10%, it is **55, 49.908, 58.317**.

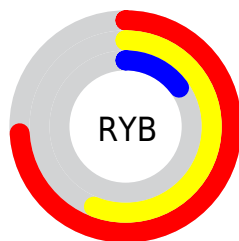
Distribution



Red (74%)

Green (39%)

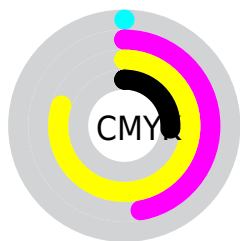
Blue (15%)



Red (74%)

Yellow (56%)

Blue (15%)

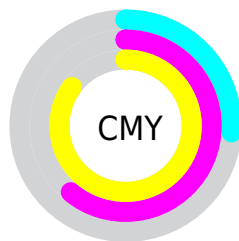


Cyan (0%)

Magenta (47%)

Yellow (80%)

Black (26%)



Cyan (26%)

Magenta (61%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 57.986, 57.246 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 CIELCh color 52, 57.986, 57.246 by changing the saturation by 10% instead.

 52, 57.986, 57.246

 52, 57.986, 57.246

 100, 57.986,
57.246

 42, 57.986, 57.246

 72, 57.986, 57.246

 32, 57.986, 57.246

 82, 57.986, 57.246

 22, 57.986, 57.246

 92, 57.986, 57.246

 12, 57.986, 57.246

 2, 57.986, 57.246

 0, 57.986, 57.246

 52, 57.986, 57.246

 52, 57.986, 57.246

 50, 65.227, 55.783

 55, 49.908, 58.317

 47, 71.044, 53.806

 57, 41.709, 59.251

47, 71.157, 53.777

60, 33.736, 60.167

64, 26.139, 61.109

67, 18.966, 62.084

70, 12.217, 63.083

73, 5.868, 64.077

77, 0.115, 248.836

80, 5.769, 246.291

Harmonies

Complementary

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



52, 57.986, 57.246



51, 39.945, 264.317

Rectangle

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



52, 57.986, 57.246



52, 57.986, 107.246



52, 57.986, 237.246



52, 57.986, 287.246

Sweetspot

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



52, 57.984, 57.249



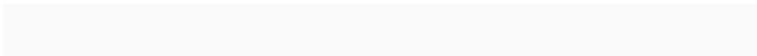
87, 18.501, 62.625



44, 66.234, 347.820



45, 12.848, 62.269



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 57.984, 57.249



61, 84.380, 54.100



70, 66.132, 97.616



38, 3.376, 64.121



40, 62.031, 54.319



5, 10.060, 50.135

Inverse Universe

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



51, 39.945, 264.317



60, 57.164, 272.745



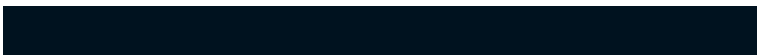
31, 83.995, 300.852



38, 3.260, 246.297



38, 41.698, 273.127



5, 10.571, 259.870

Previews

White Background



This preview shows how the CIELCh color 52, 57.986, 57.246 looks on a white background.

Color Contrast Check

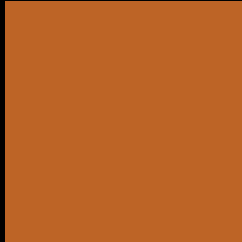
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 57.986, 57.246 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](#).

CIELCh 52, 57.986, 57.246

Background



This preview shows how black text looks on a background with the CIELCh color 52, 57.986, 57.246.



This preview shows how white text looks on a background with the CIELCh color 52, 57.986, 57.246.

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

52, 57.986, 57.246

Protanopia

52, 44.216, 95.902

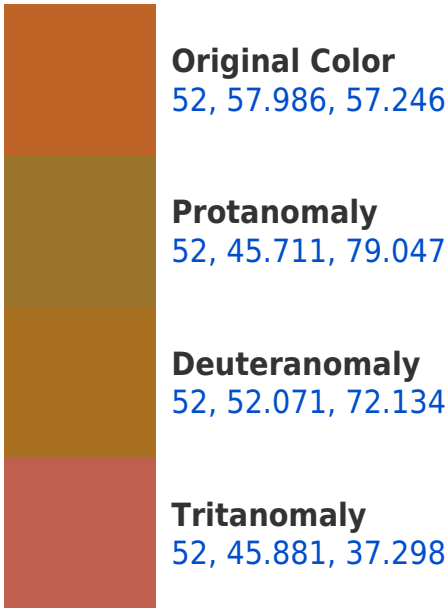
Deuteranopia

52, 50.414, 81.975

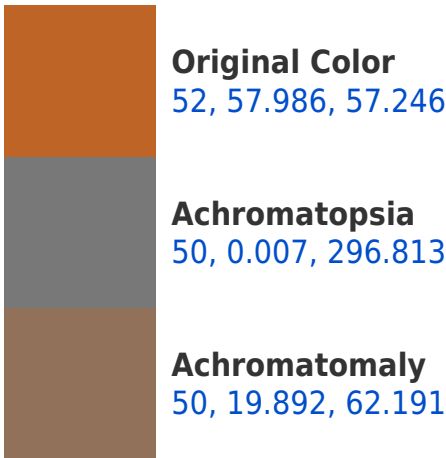


Tritanopia
52, 42.499, 20.101

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 57.986, 57.246 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(189, 100, 38)` looks like.

```
.text, #text, p{  
    color:rgb(189, 100, 38)  
}
```

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(189, 100, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 100, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 57.986, 57.246 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(189, 100, 38) }
```

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

```
.border{ border-color:rgb(189, 100, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 100, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 100, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 100, 38);  
box-shadow:4px 4px 4px 4px rgb(189, 100,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 57.986, 57.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 100, 38) }
```

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

```
.background{ background-color: rgb(189,  
100, 38) }
```

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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