

Converting Colors

CIELCh(58, 49.980, 66.674)

Have a look what the booklet for
CIELCh(58, 49.980, 66.674) contains.

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Color

CIELCh(58, 49.832, 66.936)

Conversions

Conversions Part 1

Format	Color
Hex	BF7D3A
RGB	191, 125, 58
RGB Percent	75%, 49%, 23%
CMY	0.2520, 0.5106, 0.7733
CMYK	0.00, 0.35, 0.70, 0.25
HSL	30°, 53%, 49%
HSV	30°, 70%, 75%
XYZ	29.4888, 25.9610, 7.4325
YIQ	137.0960, 60.8430, -6.8450

Conversions

Conversions Part 2

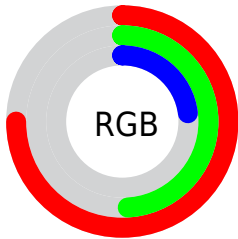
Format	Color
RYB	189, 191, 58
Decimal	12549434
CIELab	58.00, 19.52, 45.85
CIElCh	58, 49.832, 66.936
Yxy	25.9610, 0.4690, 0.4129
Android (android.graphics.Color)	4290739514 (0xFFBF7D3A)
YUV	137.0960, -38.9943, 47.2738
Hunter-Lab	50.9519, 14.1423, 27.0176

Details

The CIELCh color **58, 49.832, 66.936** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **51, 41.224, 271.685**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 49.882, 67.156**, and **38, 49.798, 67.020** is the 20% darker color. If you saturate the color by 10%, you get **56, 57.227, 65.374**, and if you desaturate by 10%, it is **61, 42.073, 68.319**.

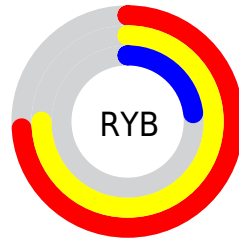
Distribution



Red (75%)

Green (49%)

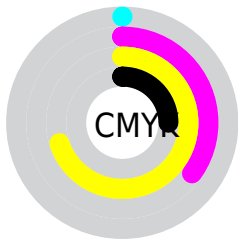
Blue (23%)



Red (74%)

Yellow (75%)

Blue (23%)

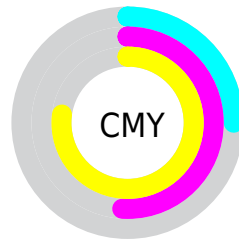


Cyan (0%)

Magenta (35%)

Yellow (70%)

Black (25%)



Cyan (25%)

Magenta (51%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 49.832, 66.936 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 58, 49.832, 66.936 by changing the saturation by 10% instead.

■ 58, 49.832, 66.936

■ 58, 49.832, 66.936

■ 100, 49.832,
66.936

■ 48, 49.832, 66.936

■ 78, 49.832, 66.936

■ 38, 49.832, 66.936

■ 88, 49.832, 66.936

■ 28, 49.832, 66.936

■ 98, 49.832, 66.936

■ 18, 49.832, 66.936

■ 8, 49.832, 66.936

■ 0, 49.832, 66.936

■ 58, 49.832, 66.936

■ 58, 49.832, 66.936

■ 56, 57.227, 65.374

■ 61, 42.073, 68.319

■ 53, 63.548, 63.396

■ 63, 34.344, 69.623

51, 68.299, 60.890

66, 26.832, 70.898

51, 68.447, 60.823

69, 19.614, 72.158

71, 12.711, 73.402

74, 6.116, 74.608

77, 0.192, 257.710

80, 6.238, 257.115

83, 12.050,
258.232

Harmonies

Complementary

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



58, 49.832, 66.936



51, 41.224, 271.685

Rectangle

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



58, 49.832, 66.936



58, 49.832, 116.936



58, 49.832, 246.936



58, 49.832, 296.936

Sweetspot

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



58, 49.831, 66.939



90, 16.796, 73.200



46, 58.822, 352.540



47, 11.536, 72.854



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



58, 49.831, 66.939



69, 74.130, 64.330



75, 65.394, 103.978



38, 3.539, 74.649



43, 59.403, 61.399



6, 10.080, 60.062

Inverse Universe

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



51, 41.224, 271.685



59, 60.853, 278.067



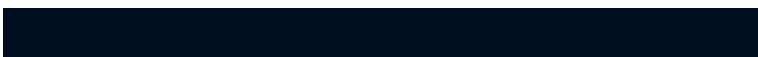
33, 81.488, 301.665



38, 3.465, 257.108



34, 50.320, 283.870



4, 11.598, 268.752

Previews

White Background



This preview shows how the CIELCh color 58, 49.832, 66.936 looks on a white background.

Color Contrast Check

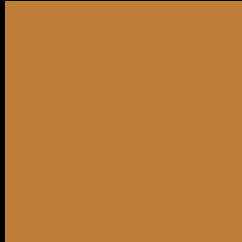
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 49.832, 66.936 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 58, 49.832, 66.936

Background



This preview shows how black text looks on a background with the CIELCh color 58, 49.832, 66.936.



This preview shows how white text looks on a background with the CIELCh color 58, 49.832, 66.936.

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

58, 49.832, 66.936

Protanopia

58, 43.068, 95.899

Deuteranopia

58, 46.839, 80.775



Tritanopia
58, 32.739, 14.603

Trichromacy



Original Color
58, 49.832, 66.936

Protanomaly
58, 44.004, 84.082

Deuteranomaly
58, 47.378, 75.457

Tritanomaly
58, 34.687, 40.304

Monochromacy



Original Color
58, 49.832, 66.936

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 17.685, 72.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 49.832, 66.936 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, 125, 58)` looks like.

```
.text, #text, p{  
    color:rgb(191, 125, 58)  
}
```

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, 125, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 125, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 49.832, 66.936 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, 125, 58) }
```

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

```
.border{ border-color:rgb(191, 125, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 125, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 125, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 125, 58); box-shadow:4px 4px 4px 4px rgb(191, 125, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 49.832, 66.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 125, 58) }
```

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

```
.background{ background-color: rgb(191,  
125, 58) }
```

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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