

Converting Colors

CIELCh(49, 68.143, 58.280)

Have a look what the booklet for
CIELCh(49, 68.143, 58.280) contains.

CIELCh(49, 68.212, 58.085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 68.212, 58.085)

Conversions

Conversions Part 1

Format	Color
Hex	BB5801
RGB	187, 88, 1
RGB Percent	73%, 35%, 0%
CMY	0.2660, 0.6543, 0.9953
CMYK	0.00, 0.53, 0.99, 0.27
HSL	28°, 99%, 37%
HSV	28°, 99%, 73%
XYZ	24.0465, 17.5941, 2.1633
YIQ	107.6830, 86.9310, -6.0690

Conversions

Conversions Part 2

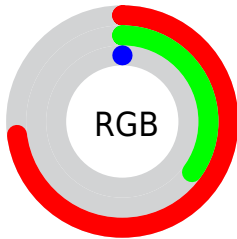
Format	Color
R_{YB}	187, 164, 1
Decimal	12277761
CIE Lab	49.00, 36.06, 57.90
CIE LCh	49, 68.212, 58.085
Yxy	17.5941, 0.5490, 0.4017
Android (android.graphics.Color)	4290467841 (0xFFBB5801)
YUV	107.6830, -52.5947, 69.5610
Hunter-Lab	41.9453, 28.9267, 26.3039

Details

The CIELCh color **49, 68.212, 58.085** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **42, 53.309, 280.455**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 68.492, 58.228**, and **29, 54.853, 48.157** is the 20% darker color. If you saturate the color by 10%, you get **49, 68.556, 57.957**, and if you desaturate by 10%, it is **51, 63.031, 60.421**.

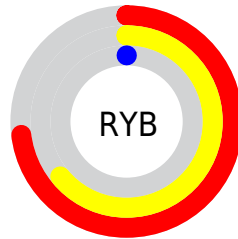
Distribution



Red (73%)

Green (35%)

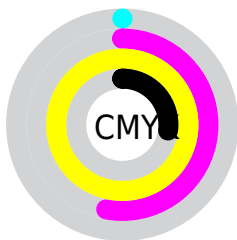
Blue (0%)



Red (73%)

Yellow (64%)

Blue (0%)

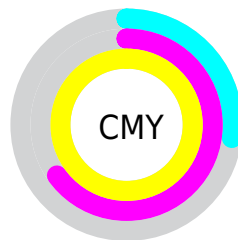


Cyan (0%)

Magenta (53%)

Yellow (99%)

Black (27%)



Cyan (27%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 68.212, 58.085 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 49, 68.212, 58.085 by changing the saturation by 10% instead.

■ 49, 68.212, 58.085

■ 49, 68.212, 58.085

■ 100, 68.212,
58.085

■ 39, 68.212, 58.085

■ 69, 68.212, 58.085

■ 29, 68.212, 58.085

■ 79, 68.212, 58.085

■ 19, 68.212, 58.085

■ 89, 68.212, 58.085

■ 9, 68.212, 58.085

■ 99, 68.212, 58.085

■ 0, 68.212, 58.085

■ 49, 68.212, 58.085

■ 49, 68.212, 58.085

■ 49, 68.556, 57.957

■ 51, 63.031, 60.421

■ 53, 56.361, 62.216

■ 56, 48.775, 63.612

■ 59, 40.955, 64.845

■ 61, 33.257, 66.024

■ 64, 25.842, 67.193

■ 67, 18.771, 68.364

■ 70, 12.054, 69.531

■ 73, 5.675, 70.669

Harmonies

Complementary

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



49, 68.212, 58.085



42, 53.309, 280.455

Rectangle

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



49, 68.212, 58.085



49, 68.212, 108.085



49, 68.212, 238.085



49, 68.212, 288.085

Sweetspot

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



49, 68.210, 58.087



84, 23.727, 68.231



40, 67.569, 358.680



44, 16.504, 67.735



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



49, 68.210, 58.087



62, 83.536, 57.299



72, 74.823, 100.732



38, 3.462, 70.669



41, 60.319, 58.483



5, 10.035, 56.031

Inverse Universe

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



42, 53.309, 280.455



54, 66.113, 281.553



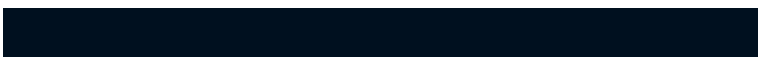
23, 104.248, 305.839



38, 3.371, 253.051



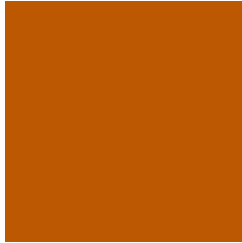
36, 46.783, 280.080



4, 11.183, 265.621

Previews

White Background



This preview shows how the CIELCh color 49, 68.212, 58.085 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 68.212, 58.085 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 49, 68.212, 58.085

Background



This preview shows how black text looks on a background with the CIELCh color 49, 68.212, 58.085.



This preview shows how white text looks on a background with the CIELCh color 49, 68.212, 58.085.

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

49, 68.212, 58.085

Protanopia

49, 51.374, 95.155

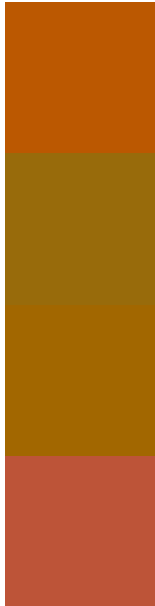
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 47.791, 23.317

Trichromacy



Original Color
49, 68.212, 58.085

Protanomaly
49, 54.114, 78.920

Deuteranomaly
49, 58.764, 73.070

Tritanomaly
49, 54.472, 42.085

Monochromacy



Original Color
49, 68.212, 58.085

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 25.879, 66.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 68.212, 58.085 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(187, 88, 1)` looks like.

```
.text, #text, p{  
    color:rgb(187, 88, 1)  
}
```

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(187, 88, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 88, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 68.212, 58.085 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(187, 88, 1) }
```

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

```
.border{ border-color:rgb(187, 88, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 88, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 88, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 88, 1);  
box-shadow:4px 4px 4px 4px rgb(187, 88, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 68.212, 58.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 88, 1) }
```

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

```
.background{ background-color: rgb(187, 88,  
1) }
```

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