

Converting Colors

CIELCh(48, 68.803, 54.881)

Have a look what the booklet for
CIELCh(48, 68.803, 54.881) contains.

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Color

CIELCh(48, 68.693, 54.855)

Conversions

Conversions Part 1

Format	Color
Hex	BC5206
RGB	188, 82, 6
RGB Percent	74%, 32%, 2%
CMY	0.2619, 0.6777, 0.9754
CMYK	0.00, 0.56, 0.97, 0.26
HSL	25°, 94%, 38%
HSV	25°, 97%, 74%
XYZ	23.8580, 16.7945, 2.1640
YIQ	105.0300, 87.5720, -1.1640

Conversions

Conversions Part 2

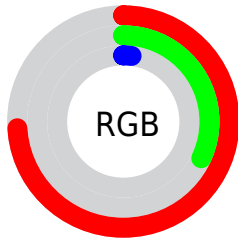
Format	Color
RYB	188, 136, 6
Decimal	12341766
CIELab	48.00, 39.54, 56.17
CIELCh	48, 68.693, 54.855
Yxy	16.7945, 0.5572, 0.3922
Android (android.graphics.Color)	4290531846 (0xFFBC5206)
YUV	105.0300, -48.8218, 72.7647
Hunter-Lab	40.9810, 32.2009, 25.5559

Details

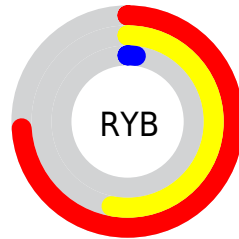
The CIELCh color **48, 68.693, 54.855** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **46, 47.187, 273.172**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 68.803, 54.881**, and **28, 56.647, 45.266** is the 20% darker color. If you saturate the color by 10%, you get **47, 70.608, 54.253**, and if you desaturate by 10%, it is **50, 62.668, 56.845**.

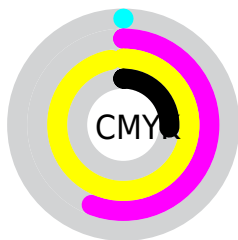
Distribution



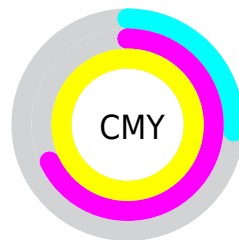
- Red (74%)
- Green (32%)
- Blue (2%)



- Red (74%)
- Yellow (53%)
- Blue (2%)



- Cyan (0%)
- Magenta (56%)
- Yellow (97%)
- Black (26%)



- Cyan (26%)
- Magenta (68%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 68.693, 54.855 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 48, 68.693, 54.855 by changing the saturation by 10% instead.

48, 68.693, 54.855

48, 68.693, 54.855

100, 68.693,
54.855

38, 68.693, 54.855

68, 68.693, 54.855

28, 68.693, 54.855

78, 68.693, 54.855

18, 68.693, 54.855

88, 68.693, 54.855

8, 68.693, 54.855

98, 68.693, 54.855

0, 68.693, 54.855

48, 68.693, 54.855

48, 68.693, 54.855

47, 70.608, 54.253

50, 62.668, 56.845

53, 55.152, 58.193

■ 55, 47.064, 59.243

■ 58, 38.980, 60.202

■ 61, 31.173, 61.158

■ 64, 23.752, 62.139

■ 68, 16.749, 63.149

■ 71, 10.155, 64.173

■ 74, 3.943, 65.162

Harmonies

Complementary

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



48, 68.693, 54.855



46, 47.187, 273.172

Rectangle

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



48, 68.693, 54.855



48, 68.693, 104.855



48, 68.693, 234.855



48, 68.693, 284.855

Sweetspot

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



48, 68.691, 54.857



85, 22.742, 62.864



41, 68.788, 353.388



43, 15.806, 62.433



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 68.691, 54.857



61, 86.450, 53.604



70, 72.062, 97.440



38, 3.384, 64.910



40, 61.815, 54.783



5, 10.051, 50.801

Inverse Universe

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



46, 47.187, 273.172



58, 60.056, 275.610



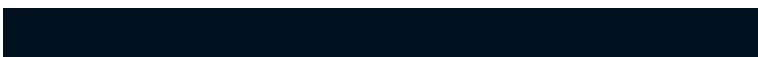
24, 100.543, 304.828



38, 3.271, 247.116



38, 42.264, 274.018



5, 10.639, 260.607

Previews

White Background



This preview shows how the CIELCh color 48, 68.693, 54.855 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 48, 68.693, 54.855 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 68.693, 54.855

Background



This preview shows how black text looks on a background with the CIELCh color 48, 68.693, 54.855.



This preview shows how white text looks on a background with the CIELCh color 48, 68.693, 54.855.

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, 68.693, 54.855

Protanopia

48, 49.996, 95.567

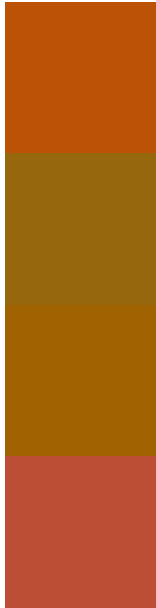
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 50.763, 24.324

Trichromacy



Original Color
48, 68.693, 54.855

Protanomaly
47, 52.901, 76.563

Deuteranomaly
48, 58.142, 70.970

Tritanomaly
48, 56.465, 40.014

Monochromacy



Original Color
48, 68.693, 54.855

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 24.974, 61.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 68.693, 54.855 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(188, 82, 6)` looks like.

```
.text, #text, p{  
    color:rgb(188, 82, 6)  
}
```

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(188, 82, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 82, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 68.693, 54.855 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(188, 82, 6) }
```

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

```
.border{ border-color:rgb(188, 82, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 82, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 82, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 82, 6);  
box-shadow:4px 4px 4px 4px rgb(188, 82, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 68.693, 54.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 82, 6) }
```

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

```
.background{ background-color: rgb(188, 82,  
6) }
```

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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