

Converting Colors

CIELCh(47, 68.730, 52.202)

Have a look what the booklet for
CIELCh(47, 68.730, 52.202) contains.

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Color

CIELCh(47, 68.732, 52.293)

Conversions

Conversions Part 1

Format	Color
Hex	BC4D0B
RGB	188, 77, 11
RGB Percent	74%, 30%, 4%
CMY	0.2628, 0.6981, 0.9569
CMYK	0.00, 0.59, 0.94, 0.26
HSL	22°, 89%, 39%
HSV	22°, 94%, 74%
XYZ	23.4485, 16.0195, 2.1723
YIQ	102.6650, 87.3420, 3.0060

Conversions

Conversions Part 2

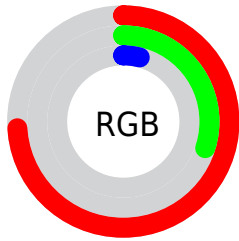
Format	Color
R_{YB}	188, 116, 11
Decimal	12340491
CIE Lab	47.00, 42.04, 54.38
CIE LCh	47, 68.732, 52.293
Yxy	16.0195, 0.5631, 0.3847
Android (android.graphics.Color)	4290530571 (0xFFBC4D0B)
YUV	102.6650, -45.1908, 74.8388
Hunter-Lab	40.0243, 34.5327, 24.7991

Details

The CIELCh color **47, 68.732, 52.293** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **49, 42.430, 265.635**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 68.777, 52.188**, and **27, 57.901, 42.991** is the 20% darker color. If you saturate the color by 10%, you get **46, 72.263, 51.366**, and if you desaturate by 10%, it is **49, 61.838, 53.754**.

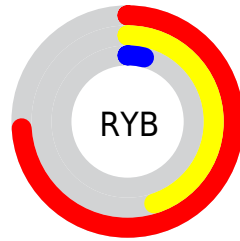
Distribution



Red (74%)

Green (30%)

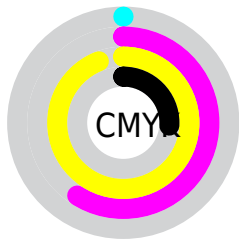
Blue (4%)



Red (74%)

Yellow (45%)

Blue (4%)

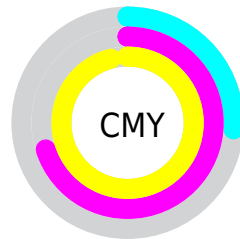


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (26%)



Cyan (26%)

Magenta (70%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 68.732, 52.293 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 47, 68.732, 52.293 by changing the saturation by 10% instead.

47, 68.732, 52.293

47, 68.732, 52.293

100, 68.732,
52.293

37, 68.732, 52.293

67, 68.732, 52.293

27, 68.732, 52.293

77, 68.732, 52.293

17, 68.732, 52.293

87, 68.732, 52.293

7, 68.732, 52.293

97, 68.732, 52.293

0, 68.732, 52.293

47, 68.732, 52.293

47, 68.732, 52.293

46, 72.263, 51.366

49, 61.838, 53.754

52, 53.729, 54.650

■ 55, 45.324, 55.352

■ 58, 37.095, 56.033

■ 61, 29.249, 56.758

■ 64, 21.860, 57.542

■ 68, 14.939, 58.377

■ 71, 8.465, 59.243

■ 75, 2.403, 60.028

Harmonies

Complementary

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



47, 68.732, 52.293



49, 42.430, 265.635

Rectangle

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



47, 68.732, 52.293



47, 68.732, 102.293



47, 68.732, 232.293



47, 68.732, 282.293

Sweetspot

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



47, 68.730, 52.295



84, 21.777, 58.013



42, 70.231, 348.663



43, 15.253, 57.654



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 68.730, 52.295



59, 88.612, 50.747



68, 69.293, 93.994



38, 3.346, 59.652



39, 63.291, 51.869



5, 10.127, 46.565

Inverse Universe

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



49, 42.430, 265.635



61, 54.833, 269.416



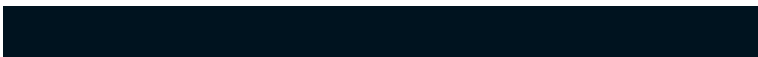
26, 94.558, 303.196



38, 3.213, 241.631



40, 38.725, 267.768



5, 10.210, 255.444

Previews

White Background



This preview shows how the CIELCh color 47, 68.732, 52.293 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 47, 68.732, 52.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

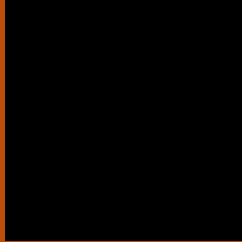
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 68.732, 52.293

Background



This preview shows how black text looks on a background with the CIELCh color 47, 68.732, 52.293.



This preview shows how white text looks on a background with the CIELCh color 47, 68.732, 52.293.

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, 68.732, 52.293

Protanopia

47, 47.922, 95.357

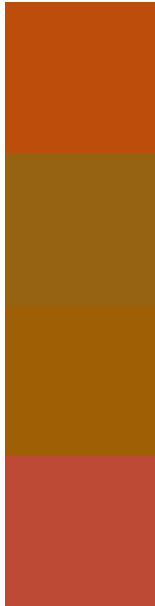
Deuteranopia

47, 54.248, 83.574



Tritanopia
47, 52.923, 25.617

Trichromacy



Original Color
47, 68.732, 52.293

Protanomaly
46, 51.089, 74.367

Deuteranomaly
46, 57.274, 69.184

Tritanomaly
47, 58.015, 39.088

Monochromacy



Original Color
47, 68.732, 52.293

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 24.183, 56.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 68.732, 52.293 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, 77, 11)` looks like.

```
.text, #text, p{  
    color:rgb(188, 77, 11)  
}
```

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, 77, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 77, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 68.732, 52.293 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, 77, 11) }
```

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

```
.border{ border-color:rgb(188, 77, 11) }
```

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

Here you see how a box with a 4 pixel rgb(188, 77, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 77, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 77, 11);  
box-shadow:4px 4px 4px 4px rgb(188, 77,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 68.732, 52.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 77, 11) }
```

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

```
.background{ background-color: rgb(188, 77,  
11) }
```

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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