

Converting Colors

CIELCh(47, 66.244, 49.802)

Have a look what the booklet for
CIELCh(47, 66.244, 49.802) contains.

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Color

CIELCh(47, 66.121, 49.751)

Conversions

Conversions Part 1

Format	Color
Hex	BC4C17
RGB	188, 76, 23
RGB Percent	74%, 30%, 9%
CMY	0.2612, 0.7006, 0.9085
CMYK	0.00, 0.59, 0.88, 0.26
HSL	19°, 78%, 42%
HSV	19°, 88%, 74%
XYZ	23.6021, 16.0195, 2.6768
YIQ	103.4460, 83.7650, 7.2610

Conversions

Conversions Part 2

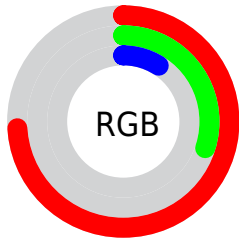
Format	Color
R _Y B	188, 101, 23
Decimal	12340247
CIE Lab	47.00, 42.72, 50.47
CIE LCh	47, 66.121, 49.751
Yxy	16.0195, 0.5580, 0.3787
Android (android.graphics.Color)	4290530327 (0xFFBC4C17)
YUV	103.4460, -39.6599, 74.1539
Hunter-Lab	40.0243, 35.2178, 24.0518

Details

The CIELCh color **47, 66.121, 49.751** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **53, 37.321, 253.999**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.225, 49.490**, and **27, 58.229, 42.431** is the 20% darker color. If you saturate the color by 10%, you get **45, 72.897, 48.608**, and if you desaturate by 10%, it is **50, 57.865, 50.291**.

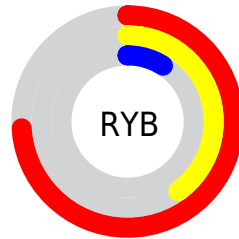
Distribution



Red (74%)

Green (30%)

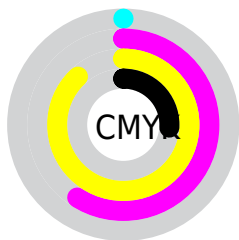
Blue (9%)



Red (74%)

Yellow (40%)

Blue (9%)

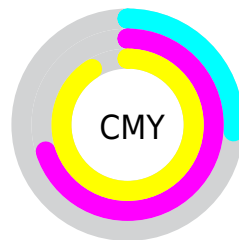


Cyan (0%)

Magenta (59%)

Yellow (88%)

Black (26%)



Cyan (26%)

Magenta (70%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 66.121, 49.751 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, 66.121, 49.751 by changing the saturation by 10% instead.

47, 66.121, 49.751

47, 66.121, 49.751

100, 66.121,
49.751

37, 66.121, 49.751

67, 66.121, 49.751

27, 66.121, 49.751

77, 66.121, 49.751

17, 66.121, 49.751

87, 66.121, 49.751

7, 66.121, 49.751

97, 66.121, 49.751

0, 66.121, 49.751

47, 66.121, 49.751

47, 66.121, 49.751

45, 72.897, 48.608

50, 57.865, 50.291

44, 74.490, 48.431

52, 49.125, 50.583

■ 56, 40.510, 50.866

■ 59, 32.290, 51.229

■ 62, 24.569, 51.692

■ 66, 17.369, 52.247

■ 70, 10.673, 52.871

■ 73, 4.446, 53.509

■ 77, 1.355, 234.705

Harmonies

Complementary

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



47, 66.121, 49.751



53, 37.321, 253.999

Rectangle

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



47, 66.121, 49.751



47, 66.121, 99.751



47, 66.121, 229.751



47, 66.121, 279.751

Sweetspot

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



47, 66.119, 49.753



84, 20.144, 52.318



43, 71.509, 343.765



43, 13.828, 52.114



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, 66.119, 49.753



57, 91.222, 47.872



66, 65.719, 90.957



38, 3.337, 53.404



37, 65.110, 48.898



5, 10.269, 42.094

Inverse Universe

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



53, 37.321, 253.999



65, 49.649, 260.933



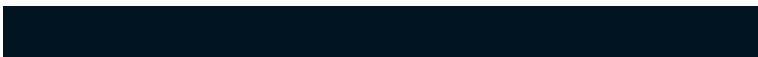
30, 83.679, 299.865



38, 3.183, 235.040



43, 35.245, 259.273



6, 9.802, 248.459

Previews

White Background



This preview shows how the CIELCh color 47, 66.121, 49.751 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, 66.121, 49.751 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, 66.121, 49.751

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.121, 49.751.



This preview shows how white text looks on a background with the CIELCh color 47, 66.121, 49.751.

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, 66.121, 49.751

Protanopia

47, 44.229, 95.223

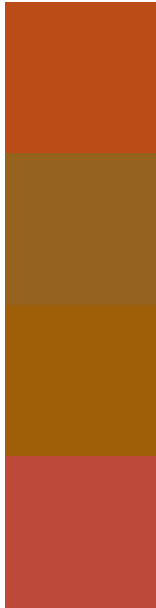
Deuteranopia

47, 54.248, 83.574



Tritanopia
47, 53.234, 25.196

Trichromacy



Original Color
47, 66.121, 49.751

Protanomaly
46, 47.415, 72.666

Deuteranomaly
46, 56.428, 68.788

Tritanomaly
47, 56.779, 36.330

Monochromacy



Original Color
47, 66.121, 49.751

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 22.621, 50.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.121, 49.751 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, 76, 23)` looks like.

```
.text, #text, p{  
    color:rgb(188, 76, 23)  
}
```

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, 76, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 76, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.121, 49.751 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, 76, 23) }
```

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

```
.border{ border-color:rgb(188, 76, 23) }
```

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

Here you see how a box with a 4 pixel rgb(188, 76, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 76, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 76, 23);  
box-shadow:4px 4px 4px 4px rgb(188, 76,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.121, 49.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 76, 23) }
```

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

```
.background{ background-color: rgb(188, 76,  
23) }
```

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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