

Converting Colors

CIELCh(48, 47.846, 103.711)

Have a look what the booklet for
CIELCh(48, 47.846, 103.711)
contains.

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Color

CIELCh(48, 48.020, 103.719)

Conversions

Conversions Part 1

Format	Color
Hex	76761B
RGB	118, 118, 27
RGB Percent	46%, 46%, 11%
CMY	0.5385, 0.5384, 0.8954
CMYK	0.00, 0.00, 0.77, 0.54
HSL	60°, 63%, 28%
HSV	60°, 77%, 46%
XYZ	14.0662, 16.7945, 3.5171
YIQ	107.6260, 29.2110, -28.3010

Conversions

Conversions Part 2

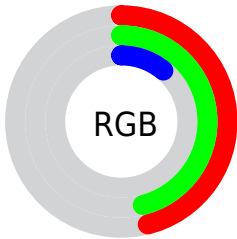
Format	Color
R_{YB}	27, 118, 27
Decimal	7763483
CIE _{Lab}	48.00, -11.39, 46.65
CIE _{LCh}	48, 48.020, 103.719
Yxy	16.7945, 0.4092, 0.4885
Android (android.graphics.Color)	4285953563 (0xFF76761B)
YUV	107.6260, -39.7486, 9.0980
Hunter-Lab	40.9810, -10.4492, 23.5983

Details

The CIELCh color **48, 48.020, 103.719** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **17, 61.045, 302.631**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 47.908, 103.637**, and **28, 38.165, 105.260** is the 20% darker color. If you saturate the color by 10%, you get **48, 51.586, 103.264**, and if you desaturate by 10%, it is **48, 43.333, 104.334**.

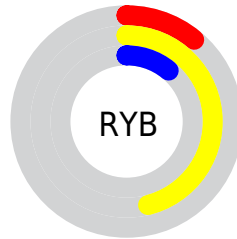
Distribution



Red (46%)

Green (46%)

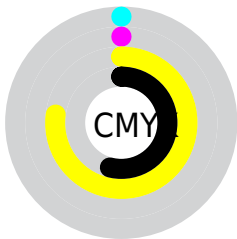
Blue (11%)



Red (11%)

Yellow (46%)

Blue (11%)

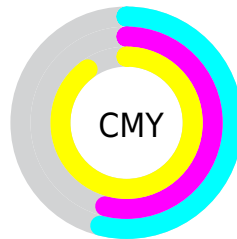


Cyan (0%)

Magenta (0%)

Yellow (77%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 48.020, 103.719 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, 48.020, 103.719 by changing the saturation by 10% instead.

 48, 48.020,
103.719


 48, 48.020,
103.719

 100, 48.020,
103.719

 38, 48.020,
103.719

 68, 48.020,
103.719

 28, 48.020,
103.719

 78, 48.020,
103.719

 18, 48.020,
103.719

 88, 48.020,
103.719

 8, 48.020, 103.719

 98, 48.020,
103.719

 0, 48.020, 103.719

 48, 48.020,

 48, 48.020,

103.719

■ 48, 51.586,
103.264

■ 48, 54.077,
102.950

■ 48, 54.738,
102.867

103.719

■ 48, 43.333,
104.334

■ 48, 37.823,
105.067

■ 48, 31.755,
105.886

■ 49, 25.328,
106.763

■ 49, 18.679,
107.671

■ 49, 11.898,
108.593

■ 49, 5.046, 109.510

■ 50, 1.838, 290.452

Harmonies

Complementary

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



48, 48.020, 103.719



17, 61.045, 302.631

Rectangle

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



48, 48.020, 103.719



48, 48.020, 153.719



48, 48.020, 283.719



48, 48.020, 333.719

Sweetspot

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



48, 48.020, 103.721



62, 19.514, 108.018



26, 45.919, 31.718



32, 13.407, 107.750



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 48.020, 103.721



61, 64.653, 103.026



45, 52.610, 126.333



25, 3.857, 109.357



50, 56.293, 102.867



95, 95.438, 102.868

Inverse Universe

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



17, 61.045, 302.631



18, 87.656, 305.523



22, 58.825, 312.520



22, 3.936, 291.073



12, 77.728, 306.288



32, 131.781, 306.288

Previews

White Background



This preview shows how the CIELCh color 48, 48.020, 103.719 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, 48.020, 103.719 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, 48.020, 103.719

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.020, 103.719.



This preview shows how white text looks on a background with the CIELCh color 48, 48.020, 103.719.

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, 48.020, 103.719

Protanopia

48, 47.342, 95.454

Deuteranopia

48, 46.169, 82.253



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 48.020, 103.719

Protanomaly
48, 47.407, 98.433

Deuteranomaly
48, 46.290, 90.490

Tritanomaly
48, 16.883, 94.168

Monochromacy



Original Color
48, 48.020, 103.719

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 19.328, 107.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.020, 103.719 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(118, 118, 27)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 27)  
}
```

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(118, 118, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.020, 103.719 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(118, 118, 27) }
```

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

```
.border{ border-color:rgb(118, 118, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 27);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.020, 103.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 27) }
```

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

```
.background{ background-color: rgb(118,  
118, 27) }
```

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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