

Converting Colors

CIELCh(47, 50.323, 101.648)

Have a look what the booklet for
CIELCh(47, 50.323, 101.648)
contains.

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Color

CIELCh(47, 50.583, 101.622)

Conversions

Conversions Part 1

Format	Color
Hex	76730E
RGB	118, 115, 14
RGB Percent	46%, 45%, 5%
CMY	0.5390, 0.5506, 0.9436
CMYK	0.00, 0.03, 0.88, 0.54
HSL	58°, 78%, 26%
HSV	58°, 88%, 46%
XYZ	13.5754, 16.0195, 2.8059
YIQ	104.3830, 34.2090, -30.7750

Conversions

Conversions Part 2

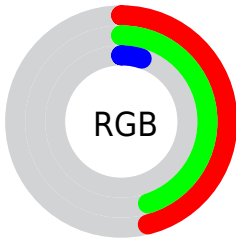
Format	Color
R_{YB}	17, 118, 14
Decimal	7762702
CIE _{Lab}	47.00, -10.19, 49.55
CIE _{LCh}	47, 50.583, 101.622
Yxy	16.0195, 0.4190, 0.4944
Android (android.graphics.Color)	4285952782 (0xFF76730E)
YUV	104.3830, -44.5588, 11.9421
Hunter-Lab	40.0243, -9.4990, 23.8605

Details

The CIELCh color **47, 50.583, 101.622** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 66.914, 303.881**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 50.812, 101.845**, and **27, 36.917, 103.749** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.024, 101.186**, and if you desaturate by 10%, it is **47, 47.108, 102.181**.

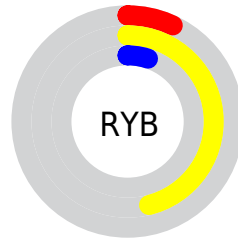
Distribution



Red (46%)

Green (45%)

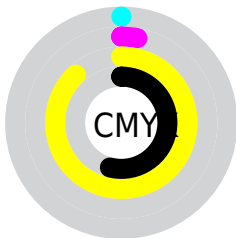
Blue (5%)



Red (7%)

Yellow (46%)

Blue (5%)

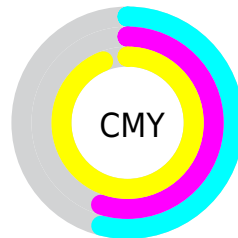


Cyan (0%)

Magenta (3%)

Yellow (88%)

Black (54%)



Cyan (54%)

Magenta (55%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 50.583, 101.622 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, 50.583, 101.622 by changing the saturation by 10% instead.


 47, 50.583,
101.622

 47, 50.583,
101.622


 100, 50.583,
101.622

 37, 50.583,
101.622

 67, 50.583,
101.622

 27, 50.583,
101.622

 77, 50.583,
101.622

 17, 50.583,
101.622

 87, 50.583,
101.622

 7, 50.583, 101.622

 97, 50.583,
101.622

 0, 50.583, 101.622

 47, 50.583,

 47, 50.583,

101.622

■ 47, 53.024,
101.186

■ 47, 53.580,
101.089

101.622

■ 47, 47.108,
102.181

■ 47, 42.516,
102.871

■ 48, 37.118,
103.665

■ 48, 31.183,
104.534

■ 48, 24.908,
105.449

■ 48, 18.428,
106.390

■ 49, 11.831,
107.340

■ 49, 5.174, 108.280

Harmonies

Complementary

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



47, 50.583, 101.622



14, 66.914, 303.881

Rectangle

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



47, 50.583, 101.622



47, 50.583, 151.622



47, 50.583, 281.622



47, 50.583, 331.622

Sweetspot

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



47, 50.583, 101.624



62, 21.432, 106.495



24, 50.927, 33.372



32, 14.423, 106.242



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 50.583, 101.624



60, 64.814, 101.043



44, 56.511, 125.499



24, 3.748, 108.161



49, 55.150, 101.081



94, 93.396, 100.980

Inverse Universe

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



14, 66.914, 303.881



17, 89.958, 305.853



19, 64.909, 311.725



22, 3.821, 289.917



13, 76.155, 305.724



32, 130.649, 306.050

Previews

White Background



This preview shows how the CIELCh color 47, 50.583, 101.622 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, 50.583, 101.622 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, 50.583, 101.622

Background



This preview shows how black text looks on a background with the CIELCh color 47, 50.583, 101.622.



This preview shows how white text looks on a background with the CIELCh color 47, 50.583, 101.622.

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, 50.833, 101.597

Protanopia

47, 50.480, 95.404

Deuteranopia

47, 48.975, 82.891



Tritanopia
47, 8.770, 347.965

Trichromacy



Original Color
47, 50.833, 101.597

Protanomaly
47, 50.340, 97.678

Deuteranomaly
47, 48.687, 90.006

Tritanomaly
47, 19.588, 91.366

Monochromacy



Original Color
47, 50.833, 101.597

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 21.715, 105.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 50.583, 101.622 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, 115, 14)` looks like.

```
.text, #text, p{  
    color:rgb(118, 115, 14)  
}
```

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, 115, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 115, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 50.583, 101.622 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, 115, 14) }
```

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

```
.border{ border-color:rgb(118, 115, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 115, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 115, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 115, 14);  
box-shadow:4px 4px 4px 4px rgb(118, 115,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 50.583, 101.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 115, 14) }
```

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

```
.background{ background-color: rgb(118,  
115, 14) }
```

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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