

Converting Colors

CIELCh(45, 48.473, 94.758)

Have a look what the booklet for
CIELCh(45, 48.473, 94.758) contains.

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Color

CIELCh(45, 48.650, 95.079)

Conversions

Conversions Part 1

Format	Color
Hex	796B0D
RGB	121, 107, 13
RGB Percent	47%, 42%, 5%
CMY	0.5265, 0.5813, 0.9504
CMYK	0.00, 0.12, 0.90, 0.53
HSL	52°, 81%, 26%
HSV	52°, 90%, 47%
XYZ	13.1533, 14.5417, 2.4827
YIQ	100.4700, 38.5180, -26.2660

Conversions

Conversions Part 2

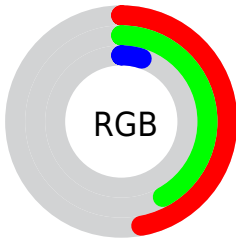
Format	Color
R_{YB}	29, 121, 13
Decimal	7957261
CIE Lab	45.00, -4.31, 48.46
CIE LCh	45, 48.650, 95.079
Yxy	14.5417, 0.4359, 0.4819
Android (android.graphics.Color)	4286147341 (0xFF796B0D)
YUV	100.4700, -43.1227, 18.0048
Hunter-Lab	38.1336, -5.1643, 22.8334

Details

The CIELCh color **45, 48.650, 95.079** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **17, 63.273, 301.450**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 48.582, 94.803**, and **25, 34.309, 94.809** is the 20% darker color. If you saturate the color by 10%, you get **45, 51.038, 94.151**, and if you desaturate by 10%, it is **46, 45.398, 96.043**.

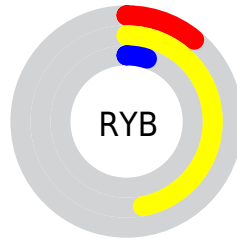
Distribution



Red (47%)

Green (42%)

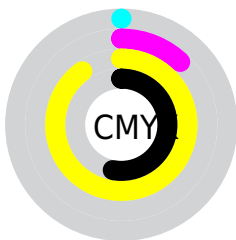
Blue (5%)



Red (11%)

Yellow (47%)

Blue (5%)

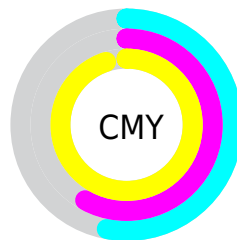


Cyan (0%)

Magenta (12%)

Yellow (90%)

Black (53%)



Cyan (53%)













Magenta (58%)







Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 48.650, 95.079 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 45, 48.650, 95.079 by changing the saturation by 10% instead.

 45, 48.650, 95.079	 45, 48.650, 95.079
 100, 48.650, 95.079	 35, 48.650, 95.079
 65, 48.650, 95.079	 25, 48.650, 95.079
 75, 48.650, 95.079	 15, 48.650, 95.079
 85, 48.650, 95.079	 5, 48.650, 95.079
 95, 48.650, 95.079	 0, 48.650, 95.079

 45, 48.650, 95.079	 45, 48.650, 95.079
 45, 51.038, 94.151	 46, 45.398, 96.043
 44, 51.161, 94.108	 46, 41.007, 97.040

■ 47, 35.838, 98.070

■ 47, 30.186, 99.126

■ 48, 24.254,
100.195

■ 49, 18.173,
101.264

■ 49, 12.023,
102.324

■ 50, 5.855, 103.359

■ 51, 0.304, 284.664

Harmonies

Complementary

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



45, 48.650, 95.079



17, 63.273, 301.450

Rectangle

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



45, 48.650, 95.079



45, 48.650, 145.079



45, 48.650, 275.079



45, 48.650, 325.079

Sweetspot

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



45, 48.650, 95.081



63, 20.733, 101.460



25, 49.914, 27.595



32, 13.888, 101.177



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 48.650, 95.081



57, 62.105, 93.861



46, 56.613, 121.706



25, 3.504, 103.404



46, 52.421, 94.073



88, 87.889, 93.545

Inverse Universe

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



17, 63.273, 301.450



20, 86.720, 304.137



17, 68.149, 309.532



24, 3.556, 285.331



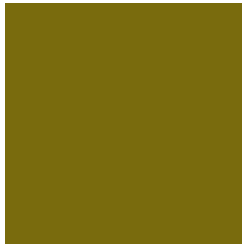
15, 71.949, 303.684



34, 125.548, 304.721

Previews

White Background



This preview shows how the CIELCh color 45, 48.650, 95.079 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 CIE LCh color 45, 48.650, 95.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

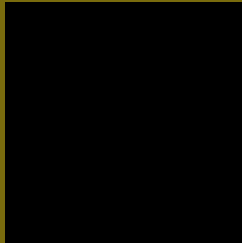
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.650, 95.079

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.650, 95.079.



This preview shows how white text looks on a background with the CIELCh color 45, 48.650, 95.079.

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


45, 48.650, 95.079

Protanopia

45, 48.572, 95.658

Deuteranopia

45, 47.910, 82.772



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 48.650, 95.079

Protanomaly
45, 48.572, 95.658

Deuteranomaly
45, 47.946, 87.113

Tritanomaly
45, 20.442, 76.167

Monochromacy



Original Color
45, 48.650, 95.079

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 20.367, 99.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.650, 95.079 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(121, 107, 13)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 13)  
}
```

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(121, 107, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.650, 95.079 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(121, 107, 13) }
```

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

```
.border{ border-color:rgb(121, 107, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 107, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 107, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 107, 13);  
box-shadow:4px 4px 4px 4px rgb(121, 107,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.650, 95.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 107, 13) }
```

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

```
.background{ background-color: rgb(121,  
107, 13) }
```

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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