

Converting Colors

CIELCh(45, 49.115, 96.297)

Have a look what the booklet for
CIELCh(45, 49.115, 96.297) contains.

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Color

CIELCh(45, 48.985, 96.237)

Conversions

Conversions Part 1

Format	Color
Hex	776B0B
RGB	119, 107, 11
RGB Percent	47%, 42%, 4%
CMY	0.5321, 0.5793, 0.9551
CMYK	0.00, 0.10, 0.90, 0.53
HSL	53°, 82%, 26%
HSV	53°, 90%, 47%
XYZ	12.9991, 14.5417, 2.4518
YIQ	99.6440, 37.9680, -27.3120

Conversions

Conversions Part 2

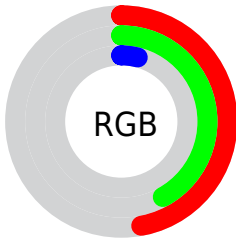
Format	Color
R _Y B	25, 119, 11
Decimal	7826187
CIE Lab	45.00, -5.32, 48.70
CIE LCh	45, 48.985, 96.237
Yxy	14.5417, 0.4334, 0.4848
Android (android.graphics.Color)	4286016267 (0xFF776B0B)
YUV	99.6440, -43.7015, 16.9752
Hunter-Lab	38.1336, -5.8862, 22.8814

Details

The CIELCh color **45, 48.985, 96.237** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 64.464, 302.203**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 48.786, 96.409**, and **25, 34.130, 96.638** is the 20% darker color. If you saturate the color by 10%, you get **45, 51.270, 95.441**, and if you desaturate by 10%, it is **45, 45.874, 97.116**.

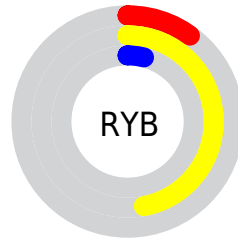
Distribution



Red (47%)

Green (42%)

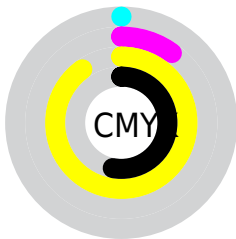
Blue (4%)



Red (10%)

Yellow (47%)

Blue (4%)

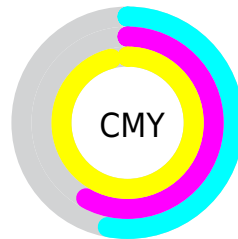


Cyan (0%)

Magenta (10%)

Yellow (90%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 48.985, 96.237 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, 48.985, 96.237 by changing the saturation by 10% instead.

 45, 48.985, 96.237

 45, 48.985, 96.237

 100, 48.985,
96.237

 35, 48.985, 96.237

 65, 48.985, 96.237

 25, 48.985, 96.237

 75, 48.985, 96.237

 15, 48.985, 96.237

 85, 48.985, 96.237

 5, 48.985, 96.237

 95, 48.985, 96.237

 0, 48.985, 96.237

 45, 48.985, 96.237

 45, 48.985, 96.237

 45, 51.270, 95.441

 45, 45.874, 97.116

 46, 41.593, 98.047

■ 46, 36.496, 99.027

■ 47, 30.878,
100.044

■ 48, 24.952,
101.082

■ 48, 18.855,
102.127

■ 49, 12.672,
103.167

■ 49, 6.459, 104.187

■ 50, 0.246, 104.890

Harmonies

Complementary

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



45, 48.985, 96.237



16, 64.464, 302.203

Rectangle

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



45, 48.985, 96.237



45, 48.985, 146.237



45, 48.985, 276.237



45, 48.985, 326.237

Sweetspot

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



45, 48.985, 96.239



62, 20.817, 102.412



25, 50.320, 29.131



32, 14.128, 102.131



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, 48.985, 96.239



57, 62.040, 95.235



46, 56.648, 122.449



24, 3.444, 104.326



46, 52.210, 95.419



88, 88.186, 94.963

Inverse Universe

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



16, 64.464, 302.203



19, 86.791, 304.504



17, 67.789, 309.868



22, 3.499, 286.208



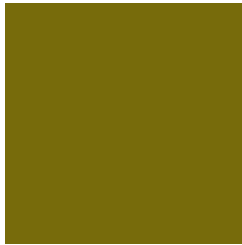
14, 71.838, 304.070



33, 126.026, 305.047

Previews

White Background



This preview shows how the CIELCh color 45, 48.985, 96.237 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, 48.985, 96.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

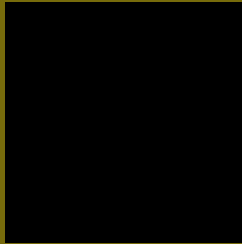
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 48.985, 96.237

Background



This preview shows how black text looks on a background with the CIELCh color 45, 48.985, 96.237.



This preview shows how white text looks on a background with the CIELCh color 45, 48.985, 96.237.

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, 48.985, 96.237

Protanopia

45, 49.056, 95.662

Deuteranopia

45, 48.210, 82.852



Tritanopia
45, 11.659, 0.139

Trichromacy



Original Color
45, 48.985, 96.237

Protanomaly
45, 49.056, 95.662

Deuteranomaly
45, 48.070, 87.727

Tritanomaly
45, 20.954, 79.740

Monochromacy



Original Color
45, 48.985, 96.237

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 20.801, 102.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 48.985, 96.237 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(119, 107, 11)` looks like.

```
.text, #text, p{  
    color:rgb(119, 107, 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(119, 107, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 107, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 48.985, 96.237 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(119, 107, 11) }
```

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

```
.border{ border-color:rgb(119, 107, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 107, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 107, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 107, 11);  
box-shadow:4px 4px 4px 4px rgb(119, 107,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 48.985, 96.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 107, 11) }
```

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

```
.background{ background-color: rgb(119,  
107, 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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