

Converting Colors

CIELCh(45, 50.047, 105.583)

Have a look what the booklet for
CIELCh(45, 50.047, 105.583)
contains.

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Color

CIELCh(45, 50.097, 105.400)

Conversions

Conversions Part 1

Format	Color
Hex	6B6F0B
RGB	107, 111, 11
RGB Percent	42%, 44%, 4%
CMY	0.5801, 0.5644, 0.9563
CMYK	0.04, 0.00, 0.90, 0.56
HSL	62°, 82%, 24%
HSV	62°, 90%, 44%
XYZ	11.8278, 14.5417, 2.5039
YIQ	98.4040, 29.7160, -31.9480

Conversions

Conversions Part 2

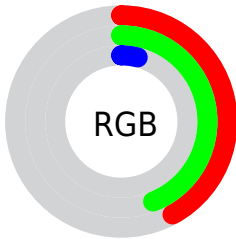
Format	Color
RYB	11, 111, 15
Decimal	7040779
CIELab	45.00, -13.30, 48.30
CIELCh	45, 50.097, 105.400
Yxy	14.5417, 0.4096, 0.5036
Android (android.graphics.Color)	4285230859 (0xFF6B6F0B)
YUV	98.4040, -43.0902, 7.5387
Hunter-Lab	38.1336, -11.3687, 22.8005

Details

The CIELCh color **45, 50.097, 105.400** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 66.506, 305.047**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 49.908, 105.331**, and **25, 35.884, 109.818** is the 20% darker color. If you saturate the color by 10%, you get **45, 52.582, 105.215**, and if you desaturate by 10%, it is **45, 46.941, 105.698**.

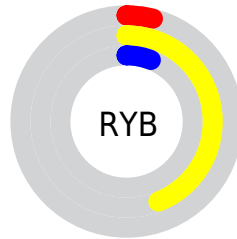
Distribution



Red (42%)

Green (44%)

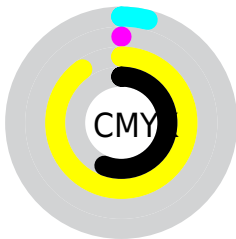
Blue (4%)



Red (4%)

Yellow (44%)

Blue (6%)

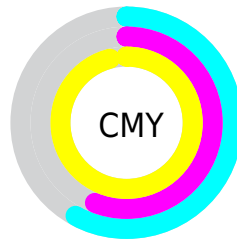


Cyan (4%)

Magenta (0%)

Yellow (90%)

Black (56%)



Cyan (58%)


Magenta (56%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 50.097, 105.400 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, 50.097, 105.400 by changing the saturation by 10% instead.


 45, 50.097,
105.400

 45, 50.097,
105.400


 100, 50.097,
105.400

 35, 50.097,
105.400

 65, 50.097,
105.400


 25, 50.097,
105.400

 75, 50.097,
105.400

 15, 50.097,
105.400

 85, 50.097,
105.400

 5, 50.097, 105.400

 95, 50.097,
105.400

 0, 50.097, 105.400

 45, 50.097,

 45, 50.097,

105.400

■ 45, 52.582,
105.215

■ 45, 52.588,
105.214

105.400

■ 45, 46.941,
105.698

■ 45, 42.670,
106.182

■ 45, 37.562,
106.812

■ 46, 31.875,
107.546

■ 46, 25.812,
108.347

■ 46, 19.511,
109.187

■ 46, 13.067,
110.044

■ 47, 6.543, 110.902

Harmonies

Complementary

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



45, 50.097, 105.400



13, 66.506, 305.047

Rectangle

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



45, 50.097, 105.400



45, 50.097, 155.400



45, 50.097, 285.400



45, 50.097, 335.400

Sweetspot

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



45, 50.097, 105.402



59, 21.936, 109.379



23, 49.955, 36.183



31, 14.873, 109.160



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 50.097, 105.402



58, 63.829, 105.278



42, 55.967, 127.871



23, 3.718, 110.984



48, 55.517, 105.234



94, 94.827, 105.369

Inverse Universe

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



13, 66.506, 305.047



16, 87.799, 306.445



18, 62.522, 313.351



21, 3.794, 292.569



12, 76.319, 306.485



31, 130.587, 306.369

Previews

White Background



This preview shows how the CIELCh color 45, 50.097, 105.400 looks on a white background.

Color Contrast Check

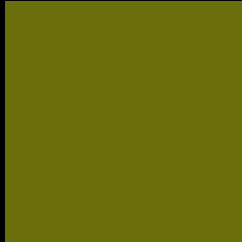
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 50.097, 105.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

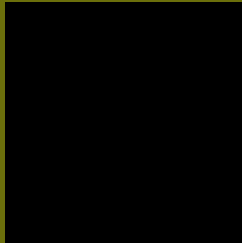
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 50.097, 105.400

Background



This preview shows how black text looks on a background with the CIELCh color 45, 50.097, 105.400.



This preview shows how white text looks on a background with the CIELCh color 45, 50.097, 105.400.

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, 50.097, 105.400

Protanopia

45, 49.503, 95.665

Deuteranopia

45, 47.079, 83.150



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 50.097, 105.400

Protanomaly
45, 49.307, 99.149

Deuteranomaly
45, 47.292, 91.936

Tritanomaly
45, 18.518, 99.049

Monochromacy



Original Color
45, 50.097, 105.400

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 21.891, 109.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 50.097, 105.400 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(107, 111, 11)` looks like.

```
.text, #text, p{  
    color:rgb(107, 111, 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(107, 111, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 111, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 50.097, 105.400 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(107, 111, 11) }
```

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

```
.border{ border-color:rgb(107, 111, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 111, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 111, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 111, 11);  
box-shadow:4px 4px 4px 4px rgb(107, 111,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 50.097, 105.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 111, 11) }
```

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

```
.background{ background-color: rgb(107,  
111, 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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