

Converting Colors

CIELCh(48, 45.368, 106.797)

Have a look what the booklet for
CIELCh(48, 45.368, 106.797)
contains.

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Color

CIELCh(48, 45.415, 107.097)

Conversions

Conversions Part 1

Format	Color
Hex	727723
RGB	114, 119, 35
RGB Percent	45%, 47%, 14%
CMY	0.5542, 0.5345, 0.8640
CMYK	0.04, 0.00, 0.71, 0.53
HSL	64°, 55%, 30%
HSV	64°, 71%, 47%
XYZ	13.7552, 16.7945, 4.0819
YIQ	107.9290, 23.9840, -27.1840

Conversions

Conversions Part 2

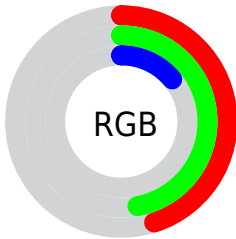
Format	Color
R_{YB}	35, 119, 40
Decimal	7501603
CIE _{Lab}	48.00, -13.35, 43.41
CIE _{LCh}	48, 45.415, 107.097
Yxy	16.7945, 0.3972, 0.4849
Android (android.graphics.Color)	4285691683 (0xFF727723)
YUV	107.9290, -35.9540, 5.3243
Hunter-Lab	40.9810, -11.8035, 22.7811

Details

The CIELCh color **48, 45.415, 107.097** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **20, 55.908, 302.254**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 45.485, 107.125**, and **28, 38.776, 109.070** is the 20% darker color. If you saturate the color by 10%, you get **48, 49.793, 106.682**, and if you desaturate by 10%, it is **48, 40.110, 107.680**.

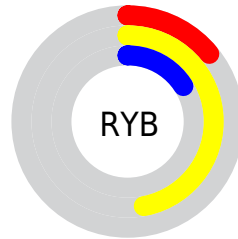
Distribution



Red (45%)

Green (47%)

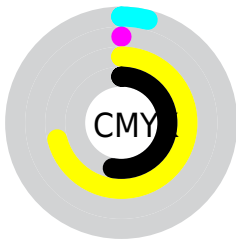
Blue (14%)



Red (14%)

Yellow (47%)

Blue (16%)

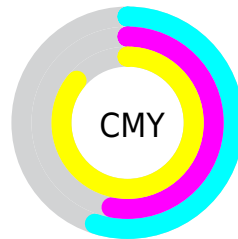


Cyan (4%)

Magenta (0%)

Yellow (71%)

Black (53%)



Cyan (55%)


Magenta (53%)


Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 45.415, 107.097 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, 45.415, 107.097 by changing the saturation by 10% instead.


 48, 45.415,
107.097


 48, 45.415,
107.097


 100, 45.415,
107.097


 38, 45.415,
107.097


 68, 45.415,
107.097


 28, 45.415,
107.097


 78, 45.415,
107.097

 18, 45.415,
107.097

 88, 45.415,
107.097

 8, 45.415, 107.097

 98, 45.415,
107.097

 0, 45.415, 107.097

 48, 45.415,

 48, 45.415,

107.097

107.097

■ 48, 49.793,
106.682

■ 48, 40.110,
107.680

■ 48, 52.950,
106.477

■ 48, 34.161,
108.377

■ 48, 55.205,
106.395

■ 49, 27.790,
109.148

■ 49, 21.154,
109.964

■ 49, 14.356,
110.799

■ 50, 7.468, 111.635

■ 50, 0.535, 112.413

■ 50, 6.412, 293.277

■ 51, 13.351,

Harmonies

Complementary

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



48, 45.415, 107.097



20, 55.908, 302.254

Rectangle

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



48, 45.415, 107.097



48, 45.415, 157.097



48, 45.415, 287.097



48, 45.415, 337.097

Sweetspot

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



48, 45.415, 107.099



63, 18.099, 110.735



28, 40.856, 32.057



33, 12.334, 110.551



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 45.415, 107.099



62, 63.227, 106.524



45, 50.195, 128.008



24, 3.862, 111.780



49, 56.436, 106.406



94, 95.707, 106.601

Inverse Universe

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



20, 55.908, 302.254



21, 83.097, 304.929



24, 54.757, 313.780



22, 3.942, 293.324



12, 77.367, 306.575



32, 131.509, 306.414

Previews

White Background



This preview shows how the CIELCh color 48, 45.415, 107.097 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, 45.415, 107.097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

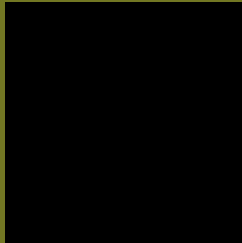
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 45.415, 107.097

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.415, 107.097.



This preview shows how white text looks on a background with the CIELCh color 48, 45.415, 107.097.

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

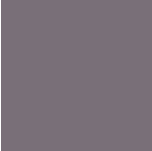
48, 45.415, 107.097

Protanopia

48, 44.660, 95.355

Deuteranopia

48, 42.634, 81.700



Tritanopia
48, 6.689, 327.697

Trichromacy



Original Color
48, 45.415, 107.097

Protanomaly
48, 44.643, 99.780

Deuteranomaly
48, 42.761, 91.248

Tritanomaly
48, 14.730, 101.325

Monochromacy



Original Color
48, 45.415, 107.097

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.177, 110.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.415, 107.097 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(114, 119, 35)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 35)  
}
```

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(114, 119, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.415, 107.097 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(114, 119, 35) }
```

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

```
.border{ border-color:rgb(114, 119, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 35);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.415, 107.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 35) }
```

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

```
.background{ background-color: rgb(114,  
119, 35) }
```

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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