

Converting Colors

CIELCh(48, 40.437, 107.091)

Have a look what the booklet for
CIELCh(48, 40.437, 107.091)
contains.

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Color

CIELCh(48, 40.502, 106.710)

Conversions

Conversions Part 1

Format	Color
Hex	73762D
RGB	115, 118, 45
RGB Percent	45%, 46%, 18%
CMY	0.5490, 0.5372, 0.8235
CMYK	0.03, 0.00, 0.62, 0.54
HSL	62°, 45%, 32%
HSV	62°, 62%, 46%
XYZ	14.0252, 16.7945, 4.9860
YIQ	108.7810, 21.6450, -23.3390

Conversions

Conversions Part 2

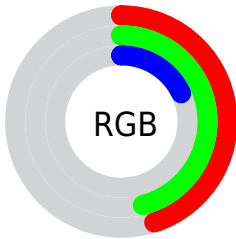
Format	Color
RYB	45, 118, 48
Decimal	7566893
CIELab	48.00, -11.65, 38.79
CIELCh	48, 40.502, 106.710
Yxy	16.7945, 0.3917, 0.4690
Android (android.graphics.Color)	4285756973 (0xFF73762D)
YUV	108.7810, -31.4440, 5.4541
Hunter-Lab	40.9810, -10.6277, 21.4731

Details

The CIELCh color **48, 40.502, 106.710** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **23, 48.157, 300.231**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 40.570, 106.579**, and **28, 38.272, 107.614** is the 20% darker color. If you saturate the color by 10%, you get **48, 45.694, 106.110**, and if you desaturate by 10%, it is **48, 34.642, 107.429**.

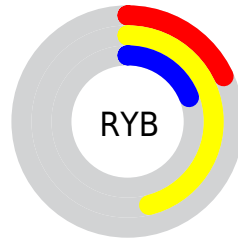
Distribution



Red (45%)

Green (46%)

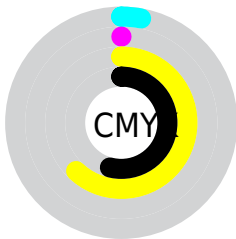
Blue (18%)



Red (18%)

Yellow (46%)

Blue (19%)

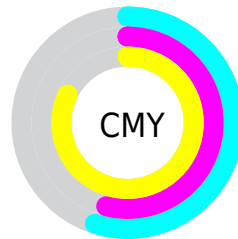


Cyan (3%)

Magenta (0%)

Yellow (62%)

Black (54%)



Cyan (55%)


Magenta (54%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 40.502, 106.710 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, 40.502, 106.710 by changing the saturation by 10% instead.


 48, 40.502,
106.710


 48, 40.502,
106.710


 100, 40.502,
106.710


 38, 40.502,
106.710

 68, 40.502,
106.710


 28, 40.502,
106.710

 78, 40.502,
106.710

 18, 40.502,
106.710

 88, 40.502,
106.710

 8, 40.502, 106.710

 98, 40.502,
106.710

 0, 40.502, 106.710

 48, 40.502,

 48, 40.502,

106.710

106.710

■ 48, 45.694,
106.110

■ 48, 34.642,
107.429

■ 48, 49.928,
105.667

■ 48, 28.342,
108.221

■ 48, 52.921,
105.426

■ 49, 21.763,
109.059

■ 48, 54.910,
105.297

■ 49, 15.015,
109.919

■ 49, 8.171, 110.781

■ 50, 1.277, 111.615

■ 50, 5.633, 292.483

■ 50, 12.537,
293.289

■ 51, 19.420,

Harmonies

Complementary

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



48, 40.502, 106.710



23, 48.157, 300.231

Rectangle

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



48, 40.502, 106.710



48, 40.502, 156.710



48, 40.502, 286.710



48, 40.502, 336.710

Sweetspot

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



48, 40.503, 106.712



62, 16.158, 110.125



30, 35.237, 29.071



32, 11.045, 109.928



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 40.503, 106.712



61, 57.341, 105.912



45, 44.367, 127.617



25, 3.860, 111.023



49, 56.365, 105.306



95, 95.573, 105.441

Inverse Universe

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



23, 48.157, 300.231



25, 72.211, 302.878



27, 48.086, 313.024



22, 3.939, 292.620



12, 77.479, 306.485



32, 131.603, 306.370

Previews

White Background



This preview shows how the CIELCh color 48, 40.502, 106.710 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, 40.502, 106.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

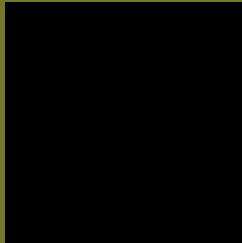
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 40.502, 106.710

Background



This preview shows how black text looks on a background with the CIELCh color 48, 40.502, 106.710.



This preview shows how white text looks on a background with the CIELCh color 48, 40.502, 106.710.

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, 40.502, 106.710

Protanopia

48, 39.700, 95.723

Deuteranopia

48, 38.288, 80.603



Tritanopia
48, 6.504, 333.743

Trichromacy



Original Color
48, 40.502, 106.710

Protanomaly
48, 39.802, 99.221

Deuteranomaly
48, 38.143, 90.426

Tritanomaly
48, 13.064, 98.808

Monochromacy



Original Color
48, 40.502, 106.710

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 15.266, 109.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 40.502, 106.710 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(115, 118, 45)` looks like.

```
.text, #text, p{  
    color:rgb(115, 118, 45)  
}
```

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(115, 118, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 118, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 40.502, 106.710 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(115, 118, 45) }
```

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

```
.border{ border-color:rgb(115, 118, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 118, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 118, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 118, 45);  
box-shadow:4px 4px 4px 4px rgb(115, 118,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 40.502, 106.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 118, 45) }
```

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

```
.background{ background-color: rgb(115,  
118, 45) }
```

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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