

Converting Colors

CIELCh(48, 54.852, 103.863)

Have a look what the booklet for
CIELCh(48, 54.852, 103.863)
contains.

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Color

CIELCh(48, 54.638, 103.893)

Conversions

Conversions Part 1

Format	Color
Hex	747602
RGB	116, 118, 2
RGB Percent	45%, 46%, 1%
CMY	0.5435, 0.5357, 0.9936
CMYK	0.02, 0.00, 0.99, 0.54
HSL	61°, 97%, 24%
HSV	61°, 99%, 46%
XYZ	13.7918, 16.7945, 2.5613
YIQ	104.1780, 36.0440, -36.5000

Conversions

Conversions Part 2

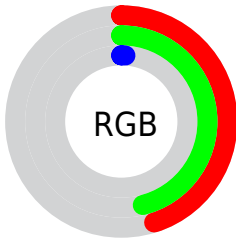
Format	Color
RYB	2, 118, 4
Decimal	7632386
CIELab	48.00, -13.12, 53.04
CIELCh	48, 54.638, 103.893
Yxy	16.7945, 0.4161, 0.5067
Android (android.graphics.Color)	4285822466 (0xFF747602)
YUV	104.1780, -50.3738, 10.3679
Hunter-Lab	40.9810, -11.6441, 24.9812

Details

The CIELCh color **48, 54.638, 103.893** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 74.944, 306.163**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.645, 104.056**, and **28, 38.272, 107.614** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.981, 103.860**, and if you desaturate by 10%, it is **48, 52.189, 104.141**.

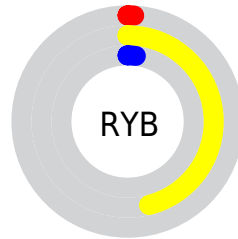
Distribution



Red (45%)

Green (46%)

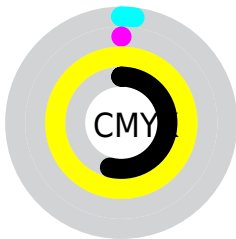
Blue (1%)



Red (1%)

Yellow (46%)

Blue (2%)

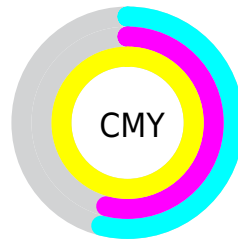


Cyan (2%)

Magenta (0%)

Yellow (99%)

Black (54%)



Cyan (54%)

Magenta (54%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.638, 103.893 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, 54.638, 103.893 by changing the saturation by 10% instead.


 48, 54.638,
103.893

 48, 54.638,
103.893


 100, 54.638,
103.893

 38, 54.638,
103.893

 68, 54.638,
103.893

 28, 54.638,
103.893

 78, 54.638,
103.893

 18, 54.638,
103.893

 88, 54.638,
103.893

 8, 54.638, 103.893

 98, 54.638,
103.893

 0, 54.638, 103.893

 48, 54.638,

 48, 54.638,

103.893

103.893

■ 48, 54.981,
103.860

■ 48, 52.189,
104.141

■ 48, 48.774,
104.524

■ 48, 44.195,
105.079

■ 48, 38.751,
105.768

■ 49, 32.715,
106.551

■ 49, 26.295,
107.397

■ 49, 19.637,
108.279

■ 49, 12.837,
109.177

Harmonies

Complementary

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



48, 54.638, 103.893



12, 74.944, 306.163

Rectangle

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



48, 54.638, 103.893



48, 54.638, 153.893



48, 54.638, 283.893



48, 54.638, 333.893

Sweetspot

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



48, 54.638, 103.895



62, 25.355, 108.091



24, 56.597, 37.805



32, 17.155, 107.800



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, 54.638, 103.895



61, 66.204, 103.885



44, 61.351, 127.884



25, 3.858, 110.036



50, 56.308, 103.864



95, 95.466, 103.920

Inverse Universe

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



12, 74.944, 306.163



17, 91.296, 306.350



17, 69.604, 312.731



22, 3.937, 291.703



12, 77.626, 306.369



32, 131.708, 306.321

Previews

White Background



This preview shows how the CIELCh color 48, 54.638, 103.893 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, 54.638, 103.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

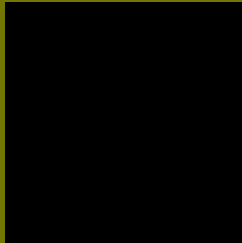
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 54.638, 103.893

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.638, 103.893.



This preview shows how white text looks on a background with the CIELCh color 48, 54.638, 103.893.

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, 54.427, 103.923

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.785, 82.951



Tritanopia
48, 7.785, 337.445

Trichromacy



Original Color
48, 54.427, 103.923

Protanomaly
48, 54.095, 98.741

Deuteranomaly
48, 51.494, 91.065

Tritanomaly
47, 21.877, 97.615

Monochromacy



Original Color
48, 54.427, 103.923

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 24.516, 106.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.638, 103.893 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(116, 118, 2)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 2)  
}
```

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(116, 118, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.638, 103.893 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(116, 118, 2) }
```

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

```
.border{ border-color:rgb(116, 118, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 2);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.638, 103.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 2) }
```

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

```
.background{ background-color: rgb(116,  
118, 2) }
```

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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