

Converting Colors

CIELCh(48, 54.603, 102.968)

Have a look what the booklet for
CIELCh(48, 54.603, 102.968)
contains.

CIELCh(48, 54.623, 102.878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 54.623, 102.878)

Conversions

Conversions Part 1

Format	Color
Hex	767601
RGB	118, 118, 1
RGB Percent	46%, 46%, 0%
CMY	0.5375, 0.5374, 0.9964
CMYK	0.00, 0.00, 0.99, 0.54
HSL	60°, 98%, 23%
HSV	60°, 99%, 46%
XYZ	13.9412, 16.7945, 2.5333
YIQ	104.6620, 37.5570, -36.3870

Conversions

Conversions Part 2

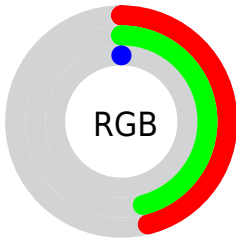
Format	Color
R_{YB}	1, 118, 1
Decimal	7763457
CIE Lab	48.00, -12.17, 53.25
CIE LCh	48, 54.623, 102.878
Yxy	16.7945, 0.4190, 0.5048
Android (android.graphics.Color)	4285953537 (0xFF767601)
YUV	104.6620, -51.1054, 11.6974
Hunter-Lab	40.9810, -10.9937, 25.0217

Details

The CIELCh color **48, 54.623, 102.878** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 75.202, 306.166**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.665, 103.123**, and **28, 38.192, 106.049** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.819, 102.856**, and if you desaturate by 10%, it is **48, 52.190, 103.186**.

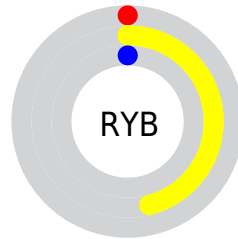
Distribution



Red (46%)

Green (46%)

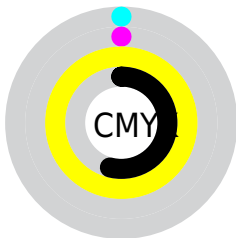
Blue (0%)



Red (0%)

Yellow (46%)

Blue (0%)

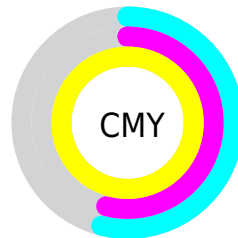


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.623, 102.878 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, 54.623, 102.878 by changing the saturation by 10% instead.


 48, 54.623,
102.878


 48, 54.623,
102.878


 100, 54.623,
102.878

 38, 54.623,
102.878

 68, 54.623,
102.878

 28, 54.623,
102.878

 78, 54.623,
102.878

 18, 54.623,
102.878

 88, 54.623,
102.878

 8, 54.623, 102.878

 98, 54.623,
102.878

 0, 54.623, 102.878

 48, 54.623,

 48, 54.623,

102.878

102.878

■ 48, 54.819,
102.856

■ 48, 52.190,
103.186

■ 48, 48.861,
103.612

■ 48, 44.356,
104.198

■ 48, 38.970,
104.912

■ 48, 32.979,
105.718

■ 49, 26.597,
106.586

■ 49, 19.970,
107.491

■ 49, 13.197,
108.412

Harmonies

Complementary

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



48, 54.623, 102.878



12, 75.202, 306.166

Rectangle

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



48, 54.623, 102.878



48, 54.623, 152.878



48, 54.623, 282.878



48, 54.623, 332.878

Sweetspot

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



48, 54.623, 102.880



62, 25.351, 107.350



23, 56.896, 37.503



32, 17.153, 107.051



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, 54.623, 102.880



61, 66.185, 102.856



44, 61.061, 127.359



25, 3.857, 109.349



50, 56.293, 102.856



95, 95.438, 102.856

Inverse Universe

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



12, 75.202, 306.166



17, 91.390, 306.287



17, 69.920, 312.343



22, 3.936, 291.066



12, 77.730, 306.287



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 54.623, 102.878 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, 54.623, 102.878 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, 54.623, 102.878

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.623, 102.878.



This preview shows how white text looks on a background with the CIELCh color 48, 54.623, 102.878.

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, 54.623, 102.878

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.785, 82.951



Tritanopia
48, 8.051, 344.647

Trichromacy



Original Color
48, 54.623, 102.878

Protanomaly
48, 54.065, 97.659

Deuteranomaly
48, 51.616, 90.533

Tritanomaly
48, 22.619, 95.464

Monochromacy



Original Color
48, 54.623, 102.878

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 25.045, 106.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.623, 102.878 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(118, 118, 1)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 1)  
}
```

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(118, 118, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.623, 102.878 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(118, 118, 1) }
```

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

```
.border{ border-color:rgb(118, 118, 1) }
```

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

Here you see how a box with a 4 pixel rgb(118, 118, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 1);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.623, 102.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 1) }
```

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

```
.background{ background-color: rgb(118,  
118, 1) }
```

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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