

Converting Colors

CIELCh(48, 54.424, 102.934)

Have a look what the booklet for
CIELCh(48, 54.424, 102.934)
contains.

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Color

CIELCh(48, 54.413, 102.905)

Conversions

Conversions Part 1

Format	Color
Hex	767602
RGB	118, 118, 2
RGB Percent	46%, 46%, 1%
CMY	0.5375, 0.5375, 0.9925
CMYK	0.00, 0.00, 0.98, 0.54
HSL	60°, 97%, 24%
HSV	60°, 98%, 46%
XYZ	13.9446, 16.7945, 2.5614
YIQ	104.7760, 37.2360, -36.0760

Conversions

Conversions Part 2

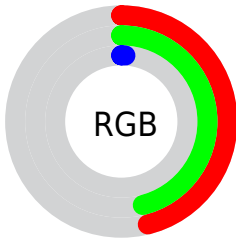
Format	Color
R_{YB}	2, 118, 2
Decimal	7763458
CIE Lab	48.00, -12.15, 53.04
CIE LCh	48, 54.413, 102.905
Yxy	16.7945, 0.4188, 0.5043
Android (android.graphics.Color)	4285953538 (0xFF767602)
YUV	104.7760, -50.6686, 11.5974
Hunter-Lab	40.9810, -10.9786, 24.9810

Details

The CIELCh color **48, 54.413, 102.905** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 74.684, 306.039**, 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, 54.817, 102.857**, and if you desaturate by 10%, it is **48, 51.961, 103.216**.

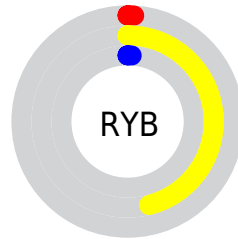
Distribution



Red (46%)

Green (46%)

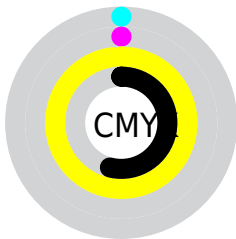
Blue (1%)



Red (1%)

Yellow (46%)

Blue (1%)

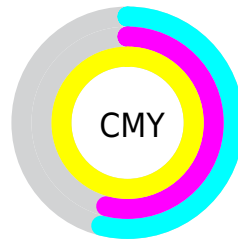


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.413, 102.905 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, 54.413, 102.905 by changing the saturation by 10% instead.


 48, 54.413,
102.905


 48, 54.413,
102.905


 100, 54.413,
102.905

 38, 54.413,
102.905

 68, 54.413,
102.905

 28, 54.413,
102.905

 78, 54.413,
102.905

 18, 54.413,
102.905

 88, 54.413,
102.905

 8, 54.413, 102.905

 98, 54.413,
102.905

 0, 54.413, 102.905

 48, 54.413,

 48, 54.413,

102.905

■ 48, 54.817,
102.857

102.905

■ 48, 51.961,
103.216

■ 48, 48.524,
103.656

■ 48, 43.933,
104.254

■ 48, 38.487,
104.977

■ 48, 32.457,
105.789

■ 49, 26.050,
106.661

■ 49, 19.407,
107.568

■ 49, 12.626,
108.490

Harmonies

Complementary

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



48, 54.413, 102.905



12, 74.684, 306.039

Rectangle

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



48, 54.413, 102.905



48, 54.413, 152.905



48, 54.413, 282.905



48, 54.413, 332.905

Sweetspot

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



48, 54.413, 102.907



62, 25.351, 107.351



23, 56.549, 37.361



32, 17.153, 107.052



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, 54.413, 102.907



61, 66.185, 102.857



44, 60.779, 127.319



25, 3.857, 109.349



50, 56.293, 102.857



95, 95.438, 102.857

Inverse Universe

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



12, 74.684, 306.039



17, 91.390, 306.287



17, 69.524, 312.346



22, 3.936, 291.067



12, 77.730, 306.288



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 54.413, 102.905 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, 54.413, 102.905 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, 54.413, 102.905

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.413, 102.905.



This preview shows how white text looks on a background with the CIELCh color 48, 54.413, 102.905.

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, 54.413, 102.905

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.785, 82.951



Tritanopia
48, 8.051, 344.647

Trichromacy



Original Color
48, 54.413, 102.905

Protanomaly
48, 53.848, 97.667

Deuteranomaly
48, 51.616, 90.533

Tritanomaly
48, 22.059, 95.270

Monochromacy



Original Color
48, 54.413, 102.905

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 24.483, 106.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.413, 102.905 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 118, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 48, 54.413, 102.905 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, 2) }
```

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

```
.border{ border-color:rgb(118, 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(118, 118, 2)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 48, 54.413, 102.905 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, 2) }
```

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

```
.background{ background-color: rgb(118,  
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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