

Converting Colors

CIELCh(48, 54.394, 103.916)

Have a look what the booklet for
CIELCh(48, 54.394, 103.916)
contains.

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Color

CIELCh(48, 54.218, 103.953)

Conversions

Conversions Part 1

Format	Color
Hex	747604
RGB	116, 118, 4
RGB Percent	45%, 46%, 2%
CMY	0.5435, 0.5358, 0.9858
CMYK	0.02, 0.00, 0.97, 0.54
HSL	61°, 94%, 24%
HSV	61°, 97%, 46%
XYZ	13.7990, 16.7945, 2.6182
YIQ	104.4060, 35.4020, -35.8780

Conversions

Conversions Part 2

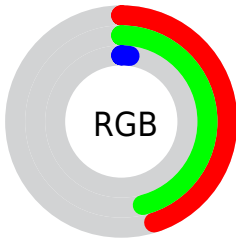
Format	Color
R_{YB}	4, 118, 6
Decimal	7632388
CIE _{Lab}	48.00, -13.07, 52.62
CIE _{LCh}	48, 54.218, 103.953
Yxy	16.7945, 0.4155, 0.5057
Android (android.graphics.Color)	4285822468 (0xFF747604)
YUV	104.4060, -49.5002, 10.1679
Hunter-Lab	40.9810, -11.6128, 24.8988

Details

The CIELCh color **48, 54.218, 103.953** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 73.929, 305.916**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.216, 104.096**, and **28, 38.272, 107.614** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.977, 103.879**, and if you desaturate by 10%, it is **48, 51.702, 104.209**.

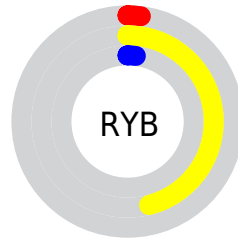
Distribution



Red (45%)

Green (46%)

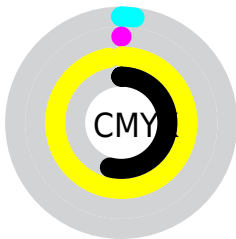
Blue (2%)



Red (2%)

Yellow (46%)

Blue (2%)

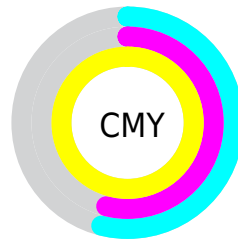


Cyan (2%)

Magenta (0%)

Yellow (97%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.218, 103.953 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, 54.218, 103.953 by changing the saturation by 10% instead.


 48, 54.218,
103.953

 48, 54.218,
103.953


 100, 54.218,
103.953

 38, 54.218,
103.953

 68, 54.218,
103.953


 28, 54.218,
103.953

 78, 54.218,
103.953

 18, 54.218,
103.953

 88, 54.218,
103.953

 8, 54.218, 103.953

 98, 54.218,
103.953

 0, 54.218, 103.953

 48, 54.218,

 48, 54.218,

103.953

■ 48, 54.977,
103.879

103.953

■ 48, 51.702,
104.209

■ 48, 48.072,
104.623

■ 48, 43.326,
105.202

■ 48, 37.765,
105.909

■ 49, 31.652,
106.705

■ 49, 25.184,
107.558

■ 49, 18.497,
108.443

■ 49, 11.681,
109.341

Harmonies

Complementary

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



48, 54.218, 103.953



12, 73.929, 305.916

Rectangle

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



48, 54.218, 103.953



48, 54.218, 153.953



48, 54.218, 283.953



48, 54.218, 333.953

Sweetspot

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



48, 54.218, 103.955



62, 24.526, 108.196



24, 55.901, 37.502



32, 16.690, 107.897



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, 54.218, 103.955



61, 66.205, 103.904



44, 60.781, 127.801



25, 3.858, 110.049



50, 56.308, 103.882



95, 95.467, 103.939

Inverse Universe

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



12, 73.929, 305.916



17, 91.294, 306.351



18, 68.833, 312.749



22, 3.937, 291.715



12, 77.624, 306.370



32, 131.707, 306.322

Previews

White Background



This preview shows how the CIELCh color 48, 54.218, 103.953 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, 54.218, 103.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

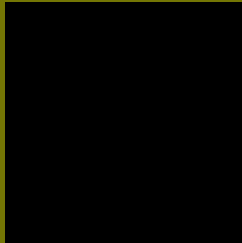
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 54.218, 103.953

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.218, 103.953.



This preview shows how white text looks on a background with the CIELCh color 48, 54.218, 103.953.

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, 54.010, 103.982

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.785, 82.951



Tritanopia
48, 7.785, 337.445

Trichromacy



Original Color
48, 54.010, 103.982

Protanomaly
48, 54.095, 98.741

Deuteranomaly
48, 51.265, 91.044

Tritanomaly
48, 21.313, 97.462

Monochromacy



Original Color
48, 54.010, 103.982

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 24.488, 107.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.218, 103.953 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 48, 54.218, 103.953 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, 4) }
```

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

```
.border{ border-color:rgb(116, 118, 4) }
```

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, 4)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 48, 54.218, 103.953 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, 4) }
```

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

```
.background{ background-color: rgb(116,  
118, 4) }
```

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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