

Converting Colors

CIELCh(48, 54.438, 105.993)

Have a look what the booklet for
CIELCh(48, 54.438, 105.993)
contains.

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Color

CIELCh(48, 54.438, 105.993)

Conversions

Conversions Part 1

Format	Color
Hex	717704
RGB	113, 119, 4
RGB Percent	44%, 47%, 2%
CMY	0.5558, 0.5323, 0.9826
CMYK	0.05, 0.00, 0.96, 0.53
HSL	63°, 93%, 24%
HSV	63°, 96%, 47%
XYZ	13.4979, 16.7945, 2.6574
YIQ	104.0960, 33.3390, -37.0370

Conversions

Conversions Part 2

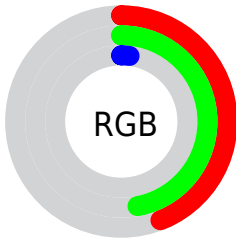
Format	Color
R_{YB}	4, 119, 10
Decimal	7436036
CIE _{Lab}	48.00, -15.00, 52.33
CIE _{LCh}	48, 54.438, 105.993
Yxy	16.7945, 0.4097, 0.5097
Android (android.graphics.Color)	4285626116 (0xFF717704)
YUV	104.0960, -49.3473, 7.8088
Hunter-Lab	40.9810, -12.9242, 24.8420

Details

The CIELCh color **48, 54.438, 105.993** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 73.777, 306.003**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.646, 105.938**, and **28, 38.917, 110.573** is the 20% darker color. If you saturate the color by 10%, you get **48, 55.364, 105.948**, and if you desaturate by 10%, it is **48, 51.864, 106.127**.

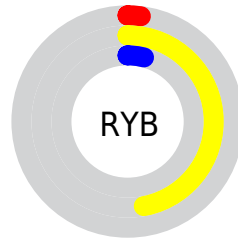
Distribution



Red (44%)

Green (47%)

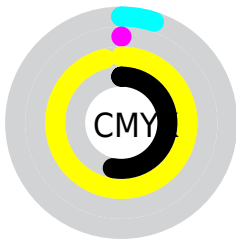
Blue (2%)



Red (2%)

Yellow (47%)

Blue (4%)

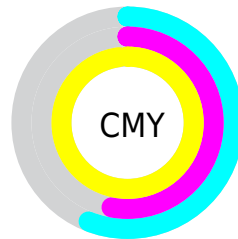


Cyan (5%)

Magenta (0%)

Yellow (96%)

Black (53%)



Cyan (56%)

Magenta (53%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.438, 105.993 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, 54.438, 105.993 by changing the saturation by 10% instead.


 48, 54.438,
105.993


 48, 54.438,
105.993


 100, 54.438,
105.993

 38, 54.438,
105.993

 68, 54.438,
105.993


 28, 54.438,
105.993

 78, 54.438,
105.993

 18, 54.438,
105.993

 88, 54.438,
105.993

 8, 54.438, 105.993

 98, 54.438,
105.993

 0, 54.438, 105.993

 48, 54.438,

 48, 54.438,

105.993

■ 48, 55.364,
105.948

105.993

■ 48, 51.864,
106.127

■ 48, 48.121,
106.454

■ 48, 43.276,
106.967

■ 49, 37.632,
107.618

■ 49, 31.449,
108.365

■ 49, 24.920,
109.171

■ 49, 18.176,
110.009

■ 50, 11.306,
110.857

Harmonies

Complementary

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



48, 54.438, 105.993



13, 73.777, 306.003

Rectangle

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



48, 54.438, 105.993



48, 54.438, 155.993



48, 54.438, 285.993



48, 54.438, 335.993

Sweetspot

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



48, 54.438, 105.995



63, 24.880, 109.717



24, 55.537, 38.142



33, 17.164, 109.425



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 54.438, 105.995



62, 67.131, 106.026



44, 61.525, 128.820



25, 3.861, 111.470



49, 56.404, 105.957



94, 95.646, 106.127

Inverse Universe

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



13, 73.777, 306.003



18, 92.219, 306.477



19, 68.504, 313.582



22, 3.941, 293.035



12, 77.413, 306.538



32, 131.550, 306.395

Previews

White Background



This preview shows how the CIELCh color 48, 54.438, 105.993 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 CIE LCh color 48, 54.438, 105.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

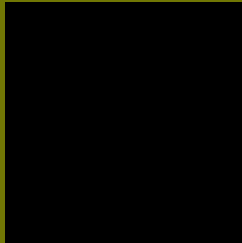
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 54.438, 105.993

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.438, 105.993.



This preview shows how white text looks on a background with the CIELCh color 48, 54.438, 105.993.

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, 54.438, 105.993

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.497, 82.879



Tritanopia
48, 6.939, 330.398

Trichromacy



Original Color
48, 54.438, 105.993

Protanomaly
48, 53.845, 99.272

Deuteranomaly
48, 50.907, 91.561

Tritanomaly
48, 21.082, 101.143

Monochromacy



Original Color
48, 54.438, 105.993

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 24.526, 109.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.438, 105.993 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(113, 119, 4)` looks like.

```
.text, #text, p{  
    color:rgb(113, 119, 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(113, 119, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 119, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.438, 105.993 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(113, 119, 4) }
```

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

```
.border{ border-color:rgb(113, 119, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 119, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 119, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 119, 4);  
box-shadow:4px 4px 4px 4px rgb(113, 119,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.438, 105.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 119, 4) }
```

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

```
.background{ background-color: rgb(113,  
119, 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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