

Converting Colors

CIELCh(48, 49.552, 105.422)

Have a look what the booklet for
CIELCh(48, 49.552, 105.422)
contains.

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Color

CIELCh(48, 49.809, 105.735)

Conversions

Conversions Part 1

Format	Color
Hex	737717
RGB	115, 119, 23
RGB Percent	45%, 47%, 9%
CMY	0.5504, 0.5346, 0.9114
CMYK	0.03, 0.00, 0.81, 0.53
HSL	63°, 68%, 28%
HSV	63°, 81%, 47%
XYZ	13.7307, 16.7945, 3.3073
YIQ	106.8600, 28.4320, -30.7040

Conversions

Conversions Part 2

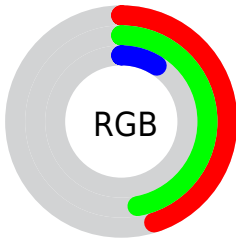
Format	Color
R_{YB}	23, 119, 27
Decimal	7567127
CIE _{Lab}	48.00, -13.51, 47.94
CIE _{LCh}	48, 49.809, 105.735
Yxy	16.7945, 0.4058, 0.4964
Android (android.graphics.Color)	4285757207 (0xFF737717)
YUV	106.8600, -41.3430, 7.1388
Hunter-Lab	40.9810, -11.9102, 23.9018

Details

The CIELCh color **48, 49.809, 105.735** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 64.068, 303.798**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.727, 105.551**, and **28, 38.717, 108.310** is the 20% darker color. If you saturate the color by 10%, you get **48, 52.930, 105.479**, and if you desaturate by 10%, it is **48, 45.461, 106.194**.

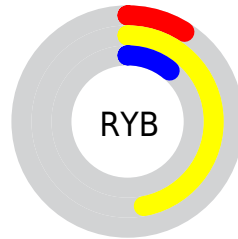
Distribution



Red (45%)

Green (47%)

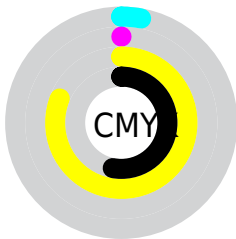
Blue (9%)



Red (9%)

Yellow (47%)

Blue (11%)

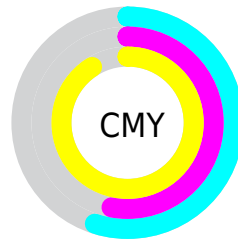


Cyan (3%)

Magenta (0%)

Yellow (81%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 49.809, 105.735 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, 49.809, 105.735 by changing the saturation by 10% instead.

 48, 49.809,
105.735


 48, 49.809,
105.735

 100, 49.809,
105.735

 38, 49.809,
105.735

 68, 49.809,
105.735


 28, 49.809,
105.735

 78, 49.809,
105.735

 18, 49.809,
105.735

 88, 49.809,
105.735

 8, 49.809, 105.735

 98, 49.809,
105.735

 0, 49.809, 105.735

 48, 49.809,

 48, 49.809,

105.735

■ 48, 52.930,
105.479

■ 48, 55.129,
105.342

105.735

■ 48, 45.461,
106.194

■ 48, 40.177,
106.807

■ 48, 34.244,
107.530

■ 49, 27.885,
108.327

■ 49, 21.257,
109.167

■ 49, 14.467,
110.027

■ 50, 7.586, 110.888

■ 50, 0.658, 111.696

Harmonies

Complementary

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



48, 49.809, 105.735



16, 64.068, 303.798

Rectangle

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



48, 49.809, 105.735



48, 49.809, 155.735



48, 49.809, 285.735



48, 49.809, 335.735

Sweetspot

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



48, 49.809, 105.737



62, 20.367, 109.714



26, 47.748, 34.108



32, 13.888, 109.471



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, 49.809, 105.737



61, 65.605, 105.419



45, 55.220, 127.527



25, 3.860, 111.054



49, 56.367, 105.350



95, 95.577, 105.488

Inverse Universe

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



16, 64.068, 303.798



18, 89.534, 306.108



21, 61.249, 313.445



22, 3.939, 292.648



12, 77.474, 306.489



32, 131.599, 306.372

Previews

White Background



This preview shows how the CIELCh color 48, 49.809, 105.735 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, 49.809, 105.735 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, 49.809, 105.735

Background



This preview shows how black text looks on a background with the CIELCh color 48, 49.809, 105.735.



This preview shows how white text looks on a background with the CIELCh color 48, 49.809, 105.735.

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, 49.809, 105.735

Protanopia

48, 49.014, 95.494

Deuteranopia

48, 46.935, 82.485



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 49.809, 105.735

Protanomaly
48, 49.059, 99.559

Deuteranomaly
48, 46.907, 91.167

Tritanomaly
48, 17.256, 97.411

Monochromacy



Original Color
48, 49.809, 105.735

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 20.483, 108.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 49.809, 105.735 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(115, 119, 23)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 23)  
}
```

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(115, 119, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 49.809, 105.735 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(115, 119, 23) }
```

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

```
.border{ border-color:rgb(115, 119, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 23);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 49.809, 105.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 23) }
```

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

```
.background{ background-color: rgb(115,  
119, 23) }
```

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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