

Converting Colors

CIELCh(48, 60.205, 119.736)

Have a look what the booklet for
CIELCh(48, 60.205, 119.736)
contains.

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Color

CIELCh(48, 59.976, 119.665)

Conversions

Conversions Part 1

Format	Color
Hex	577D02
RGB	87, 125, 2
RGB Percent	34%, 49%, 1%
CMY	0.6575, 0.5085, 0.9940
CMYK	0.30, 0.00, 0.99, 0.51
HSL	78°, 98%, 25%
HSV	78°, 99%, 49%
XYZ	11.3443, 16.7945, 2.6872
YIQ	99.6160, 16.8350, -46.3090

Conversions

Conversions Part 2

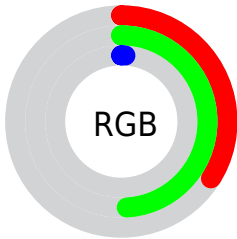
Format	Color
R_{YB}	2, 125, 40
Decimal	5733634
CIE Lab	48.00, -29.68, 52.12
CIE LCh	48, 59.976, 119.665
Yxy	16.7945, 0.3680, 0.5448
Android (android.graphics.Color)	4283923714 (0xFF577D02)
YUV	99.6160, -48.1247, -11.0642
Hunter-Lab	40.9810, -22.3048, 24.7990

Details

The CIELCh color $48, 59.976, 119.665$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $15, 75.643, 308.666$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 59.870, 119.695$, and $28, 45.273, 127.729$ is the 20% darker color. If you saturate the color by 10%, you get $48, 60.333, 119.730$, and if you desaturate by 10%, it is $48, 57.072, 119.067$.

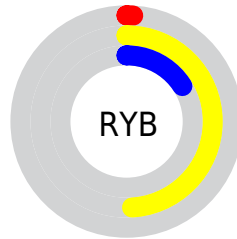
Distribution



Red (34%)

Green (49%)

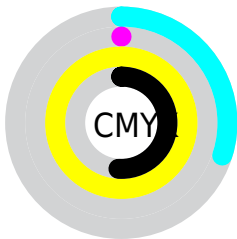
Blue (1%)



Red (1%)

Yellow (49%)

Blue (16%)

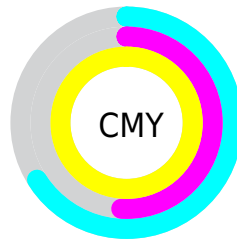


Cyan (30%)

Magenta (0%)

Yellow (99%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 59.976, 119.665 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, 59.976, 119.665 by changing the saturation by 10% instead.


 48, 59.976,
119.665

 48, 59.976,
119.665

 100, 59.976,
119.665

 38, 59.976,
119.665

 68, 59.976,
119.665

 28, 59.976,
119.665

 78, 59.976,
119.665

 18, 59.976,
119.665

 88, 59.976,
119.665

 8, 59.976, 119.665

 98, 59.976,
119.665

 0, 59.976, 119.665

 48, 59.976,

 48, 59.976,

119.665

119.665

■ 48, 60.333,
119.730

■ 48, 57.072,
119.067

■ 49, 53.149,
118.743

■ 49, 48.041,
118.760

■ 49, 42.054,
119.018

■ 50, 35.468,
119.429

■ 50, 28.495,
119.930

■ 51, 21.285,
120.476

■ 51, 13.938,
121.036

Harmonies

Complementary

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



48, 59.976, 119.665



15, 75.643, 308.666

Rectangle

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



48, 59.976, 119.665



48, 59.976, 169.665



48, 59.976, 299.665



48, 59.976, 349.665

Sweetspot

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



48, 59.976, 119.667



65, 27.503, 120.369



29, 53.996, 48.082



33, 18.631, 120.180



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 59.976, 119.667



61, 73.287, 120.074



46, 68.797, 134.350



27, 4.245, 121.575



49, 61.095, 119.755



0, 0.000, 0.000

Inverse Universe

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



15, 75.643, 308.666



21, 92.779, 308.503



25, 69.140, 320.962



25, 4.319, 302.565



15, 77.293, 308.711



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 59.976, 119.665 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, 59.976, 119.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

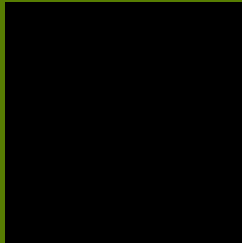
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 59.976, 119.665

Background



This preview shows how black text looks on a background with the CIELCh color 48, 59.976, 119.665.



This preview shows how white text looks on a background with the CIELCh color 48, 59.976, 119.665.

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

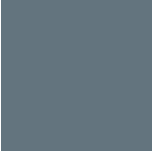
48, 59.784, 119.739

Protanopia

48, 53.971, 95.537

Deuteranopia

48, 48.721, 82.988



Tritanopia
48, 8.559, 242.685

Trichromacy



Original Color
48, 59.784, 119.739

Protanomaly
48, 54.696, 105.406

Deuteranomaly
47, 50.143, 98.291

Tritanomaly
47, 24.431, 132.126

Monochromacy



Original Color
48, 59.784, 119.739

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 27.023, 120.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 59.976, 119.665 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(87, 125, 2)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 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(87, 125, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 59.976, 119.665 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(87, 125, 2) }
```

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

```
.border{ border-color:rgb(87, 125, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 2);  
box-shadow:4px 4px 4px 4px rgb(87, 125, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 59.976, 119.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 2) }
```

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

```
.background{ background-color: rgb(87, 125,  
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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