

Converting Colors

CIELCh(57, 70.136, 123.203)

Have a look what the booklet for
CIELCh(57, 70.136, 123.203)
contains.

CIELCh(57, 70.017, 123.096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 70.017, 123.096)

Conversions

Conversions Part 1

Format	Color
Hex	609806
RGB	96, 152, 6
RGB Percent	38%, 60%, 2%
CMY	0.6239, 0.4043, 0.9771
CMYK	0.37, 0.00, 0.96, 0.40
HSL	83°, 93%, 31%
HSV	83°, 96%, 60%
XYZ	16.0602, 24.9227, 4.1312
YIQ	118.6120, 13.4900, -57.2780

Conversions

Conversions Part 2

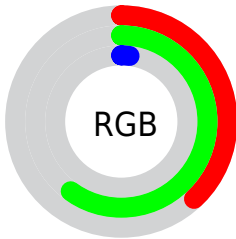
Format	Color
RYB	6, 152, 62
Decimal	6330374
CIELab	57.00, -38.23, 58.66
CIELCh	57, 70.017, 123.096
Yxy	24.9227, 0.3560, 0.5524
Android (android.graphics.Color)	4284520454 (0xFF609806)
YUV	118.6120, -55.5177, -19.8307
Hunter-Lab	49.9226, -29.9409, 30.0395

Details

The CIELCh color **57, 70.017, 123.096** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **22, 84.778, 309.756**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 70.086, 123.026**, and **37, 56.043, 130.063** is the 20% darker color. If you saturate the color by 10%, you get **57, 71.182, 123.412**, and if you desaturate by 10%, it is **57, 66.604, 122.314**.

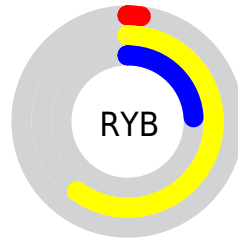
Distribution



Red (38%)

Green (60%)

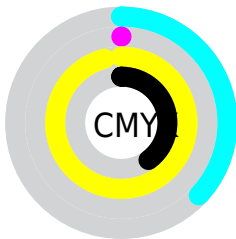
Blue (2%)



Red (2%)

Yellow (60%)

Blue (24%)

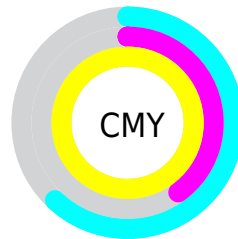


Cyan (37%)

Magenta (0%)

Yellow (96%)

Black (40%)



Cyan (62%)


Magenta (40%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 70.017, 123.096 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 57, 70.017, 123.096 by changing the saturation by 10% instead.


 57, 70.017,
123.096


 57, 70.017,
123.096


 100, 70.017,
123.096


 47, 70.017,
123.096


 77, 70.017,
123.096

 37, 70.017,
123.096


 87, 70.017,
123.096

 27, 70.017,
123.096

 97, 70.017,
123.096

 17, 70.017,
123.096

 7, 70.017, 123.096

 0, 70.017, 123.096

■ 57, 70.017,
123.096

■ 57, 70.017,
123.096

■ 57, 71.182,
123.412

■ 57, 66.604,
122.314

■ 58, 61.627,
121.958

■ 58, 55.296,
121.959

■ 59, 47.983,
122.203

■ 59, 40.014,
122.597

■ 60, 31.630,
123.071

■ 61, 22.999,
123.582

■ 61, 14.238,

124.099

■ 62, 5.424, 124.608

Harmonies

Complementary

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



57, 70.017, 123.096



22, 84.778, 309.756

Rectangle

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



57, 70.017, 123.096



57, 70.017, 173.096



57, 70.017, 303.096



57, 70.017, 353.096

Sweetspot

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



57, 70.017, 123.097



76, 31.381, 123.406



38, 58.759, 53.010



40, 21.660, 123.205



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 70.017, 123.097



72, 86.270, 123.723



55, 79.536, 135.438



32, 5.007, 124.452



53, 67.092, 123.299



3, 5.435, 125.272

Inverse Universe

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



22, 84.778, 309.756



28, 105.082, 309.533



33, 78.202, 323.870



30, 5.088, 305.353



19, 81.728, 309.811



1, 5.420, 304.658

Previews

White Background



This preview shows how the CIELCh color 57, 70.017, 123.096 looks on a white 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

Black Background



This preview shows how the CIELCh color 57, 70.017, 123.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

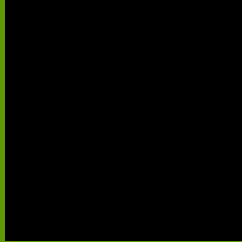
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 70.017, 123.096

Background



This preview shows how black text looks on a background with the CIELCh color 57, 70.017, 123.096.



This preview shows how white text looks on a background with the CIELCh color 57, 70.017, 123.096.

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
57, 70.017, 123.096

Protanopia
57, 61.631, 95.325

Deuteranopia
57, 55.888, 82.149



Tritanopia
57, 12.175, 233.037

Trichromacy



Original Color
57, 70.017, 123.096

Protanomaly
56, 62.532, 106.728

Deuteranomaly
56, 57.189, 99.996

Tritanomaly
56, 30.479, 138.482

Monochromacy



Original Color
57, 70.017, 123.096

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 31.217, 122.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 70.017, 123.096 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(96, 152, 6)` looks like.

```
.text, #text, p{  
    color:rgb(96, 152, 6)  
}
```

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(96, 152, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 152, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 70.017, 123.096 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(96, 152, 6) }
```

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

```
.border{ border-color:rgb(96, 152, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 152, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 152, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 152, 6);  
box-shadow:4px 4px 4px 4px rgb(96, 152, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 70.017, 123.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 152, 6) }
```

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

```
.background{ background-color: rgb(96, 152,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor