

Converting Colors

CIELCh(58, 67.780, 120.421)

Have a look what the booklet for
CIELCh(58, 67.780, 120.421)
contains.

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Color

CIELCh(58, 67.712, 120.383)

Conversions

Conversions Part 1

Format	Color
Hex	6B990E
RGB	107, 153, 14
RGB Percent	42%, 60%, 5%
CMY	0.5802, 0.3998, 0.9447
CMYK	0.30, 0.00, 0.91, 0.40
HSL	80°, 83%, 33%
HSV	80°, 91%, 60%
XYZ	17.5499, 25.9610, 4.5049
YIQ	123.4000, 17.2030, -52.9810

Conversions

Conversions Part 2

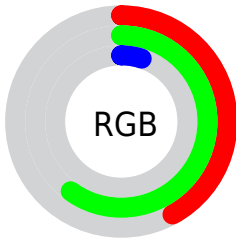
Format	Color
RYB	14, 153, 60
Decimal	7051534
CIELab	58.00, -34.25, 58.41
CIELCh	58, 67.712, 120.383
Yxy	25.9610, 0.3655, 0.5407
Android (android.graphics.Color)	4285241614 (0xFF6B990E)
YUV	123.4000, -53.9342, -14.3828
Hunter-Lab	50.9519, -27.6833, 30.4242

Details

The CIELCh color **58, 67.712, 120.383** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **22, 83.302, 308.882**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 68.150, 120.559**, and **38, 54.841, 126.454** is the 20% darker color. If you saturate the color by 10%, you get **58, 70.397, 121.125**, and if you desaturate by 10%, it is **58, 63.599, 119.874**.

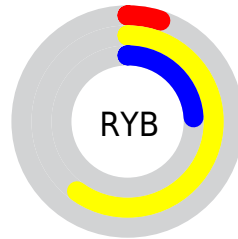
Distribution



Red (42%)

Green (60%)

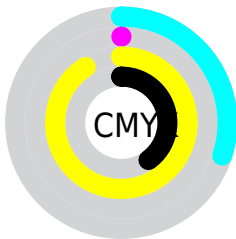
Blue (5%)



Red (5%)

Yellow (60%)

Blue (24%)

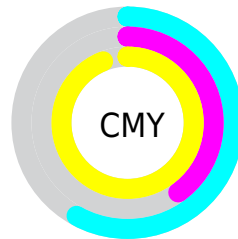


Cyan (30%)

Magenta (0%)

Yellow (91%)

Black (40%)



Cyan (58%)


Magenta (40%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 67.712, 120.383 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 58, 67.712, 120.383 by changing the saturation by 10% instead.

 58, 67.712,
120.383

 58, 67.712,
120.383

 100, 67.712,
120.383


 48, 67.712,
120.383


 78, 67.712,
120.383

 38, 67.712,
120.383


 88, 67.712,
120.383

 28, 67.712,
120.383

 98, 67.712,
120.383

 18, 67.712,
120.383

 8, 67.712, 120.383

 0, 67.712, 120.383

■ 58, 67.712,
120.383

■ 58, 67.712,
120.383

■ 58, 70.397,
121.125

■ 58, 63.599,
119.874

■ 59, 57.957,
119.760

■ 59, 51.144,
119.934

■ 60, 43.519,
120.296

■ 60, 35.367,
120.769

■ 61, 26.890,
121.298

■ 62, 18.226,
121.849

■ 62, 9.468, 122.398

Harmonies

Complementary

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



58, 67.712, 120.383



22, 83.302, 308.882

Rectangle

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



58, 67.712, 120.383



58, 67.712, 170.383



58, 67.712, 300.383



58, 67.712, 350.383

Sweetspot

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



58, 67.712, 120.384



78, 29.247, 121.476



38, 57.963, 49.324



40, 19.626, 121.307



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 67.712, 120.384



73, 85.640, 121.423



55, 77.438, 134.618



32, 4.961, 122.483



53, 65.995, 121.010



3, 5.387, 123.380

Inverse Universe

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



22, 83.302, 308.882



27, 107.175, 308.704



32, 77.651, 321.692



30, 5.047, 303.464



18, 82.548, 308.970



1, 5.374, 302.755

Previews

White Background



This preview shows how the CIELCh color 58, 67.712, 120.383 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 58, 67.712, 120.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

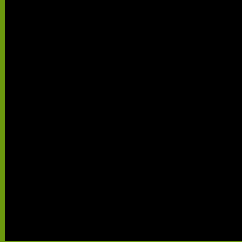
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 67.712, 120.383

Background



This preview shows how black text looks on a background with the CIELCh color 58, 67.712, 120.383.



This preview shows how white text looks on a background with the CIELCh color 58, 67.712, 120.383.

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

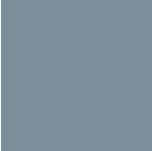
58, 67.712, 120.383

Protanopia

58, 61.206, 94.979

Deuteranopia

58, 56.295, 82.457



Tritanopia
58, 9.804, 243.250

Trichromacy



Original Color
58, 67.712, 120.383

Protanomaly
58, 61.815, 105.177

Deuteranomaly
57, 57.320, 98.704

Tritanomaly
57, 26.989, 133.582

Monochromacy



Original Color
58, 67.712, 120.383

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 29.699, 121.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 67.712, 120.383 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(107, 153, 14)` looks like.

```
.text, #text, p{  
    color:rgb(107, 153, 14)  
}
```

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(107, 153, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 153, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 67.712, 120.383 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(107, 153, 14) }
```

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

```
.border{ border-color:rgb(107, 153, 14) }
```

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

Here you see how a box with a 4 pixel rgb(107, 153, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 153, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 153, 14);  
box-shadow:4px 4px 4px 4px rgb(107, 153,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 67.712, 120.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 153, 14) }
```

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

```
.background{ background-color: rgb(107,  
153, 14) }
```

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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