

Converting Colors

CIELCh(58, 70.736, 121.223)

Have a look what the booklet for
CIELCh(58, 70.736, 121.223)
contains.

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Color

CIELCh(58, 70.721, 121.138)

Conversions

Conversions Part 1

Format	Color
Hex	679A00
RGB	103, 154, 0
RGB Percent	40%, 60%, 0%
CMY	0.5964, 0.3964, 1.0000
CMYK	0.33, 0.00, 1.00, 0.40
HSL	80°, 100%, 30%
HSV	80°, 100%, 60%
XYZ	17.1239, 25.9610, 4.1035
YIQ	121.1950, 19.0380, -58.7060

Conversions

Conversions Part 2

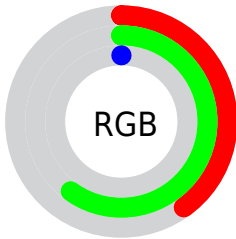
Format	Color
RYB	0, 154, 51
Decimal	6789632
CIELab	58.00, -36.57, 60.53
CIELCh	58, 70.721, 121.138
Yxy	25.9610, 0.3629, 0.5502
Android (android.graphics.Color)	4284979712 (0xFF679A00)
YUV	121.1950, -59.7491, -15.9570
Hunter-Lab	50.9519, -29.1757, 30.8914

Details

The CIELCh color **58, 70.721, 121.138** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 88.431, 308.895**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 70.908, 121.088**, and **38, 55.680, 128.069** is the 20% darker color. If you saturate the color by 10%, you get **58, 70.698, 121.147**, and if you desaturate by 10%, it is **58, 67.750, 120.346**.

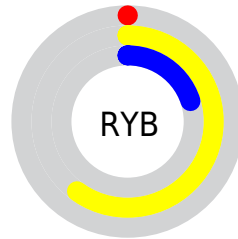
Distribution



Red (40%)

Green (60%)

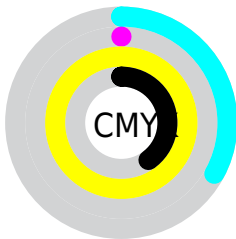
Blue (0%)



Red (0%)

Yellow (60%)

Blue (20%)

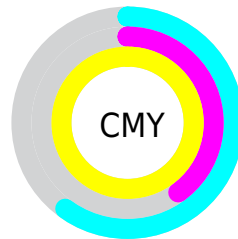


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (60%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 70.721, 121.138 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, 70.721, 121.138 by changing the saturation by 10% instead.


 58, 70.721,
121.138

 58, 70.721,
121.138


 100, 70.721,
121.138


 48, 70.721,
121.138


 78, 70.721,
121.138

 38, 70.721,
121.138

 88, 70.721,
121.138

 28, 70.721,
121.138

 98, 70.721,
121.138

 18, 70.721,
121.138

 8, 70.721, 121.138

 0, 70.721, 121.138

■ 58, 70.721,
121.138

■ 58, 70.721,
121.138

■ 58, 70.698,
121.147

■ 58, 67.750,
120.346

■ 59, 63.493,
119.868

■ 59, 57.724,
119.778

■ 60, 50.805,
119.970

■ 60, 43.096,
120.342

■ 61, 34.875,
120.821

■ 61, 26.340,
121.353

■ 62, 17.625,

121.904

■ 63, 8.821, 122.453

Harmonies

Complementary

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



58, 70.721, 121.138



20, 88.431, 308.895

Rectangle

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



58, 70.721, 121.138



58, 70.721, 171.138



58, 70.721, 301.138



58, 70.721, 351.138

Sweetspot

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



58, 70.698, 121.147



77, 32.450, 121.322



36, 63.942, 48.747



40, 22.030, 121.114



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, 70.698, 121.147



73, 85.649, 121.438



55, 80.734, 134.715



32, 4.961, 122.496



53, 66.001, 121.025



3, 5.388, 123.392

Inverse Universe

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



20, 88.431, 308.895



28, 107.169, 308.709



31, 80.565, 321.385



30, 5.048, 303.476



18, 82.543, 308.975



1, 5.374, 302.767

Previews

White Background



This preview shows how the CIELCh color 58, 70.721, 121.138 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, 70.721, 121.138 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, 70.721, 121.138

Background



This preview shows how black text looks on a background with the CIELCh color 58, 70.721, 121.138.



This preview shows how white text looks on a background with the CIELCh color 58, 70.721, 121.138.

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, 70.721, 121.138

Protanopia

58, 62.338, 94.989

Deuteranopia

58, 56.937, 82.609



Tritanopia
58, 10.782, 234.383

Trichromacy



Original Color
58, 70.721, 121.138

Protanomaly
57, 63.430, 105.794

Deuteranomaly
57, 58.816, 99.103

Tritanomaly
57, 30.865, 133.980

Monochromacy



Original Color
58, 70.721, 121.138

Achromatopsia
51, 0.007, 296.813

Achromatomaly
53, 32.581, 121.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 70.721, 121.138 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(103, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 0)  
}
```

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(103, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 70.721, 121.138 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(103, 154, 0) }
```

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

```
.border{ border-color:rgb(103, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(103, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 154,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 70.721, 121.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 0) }
```

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

```
.background{ background-color: rgb(103,  
154, 0) }
```

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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