

Converting Colors

CIELCh(60, 70.500, 117.439)

Have a look what the booklet for
CIELCh(60, 70.500, 117.439)
contains.

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Color

CIELCh(60, 70.569, 117.705)

Conversions

Conversions Part 1

Format	Color
Hex	759E00
RGB	117, 158, 0
RGB Percent	46%, 62%, 0%
CMY	0.5423, 0.3814, 1.0000
CMYK	0.26, 0.00, 1.00, 0.38
HSL	76°, 100%, 31%
HSV	76°, 100%, 62%
XYZ	19.4765, 28.1233, 4.3854
YIQ	127.7290, 26.2820, -57.8300

Conversions

Conversions Part 2

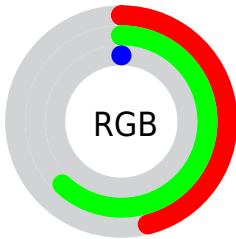
Format	Color
RYB	0, 158, 41
Decimal	7708160
CIELab	60.00, -32.81, 62.48
CIELCh	60, 70.569, 117.705
Yxy	28.1233, 0.3747, 0.5410
Android (android.graphics.Color)	4285898240 (0xFF759E00)
YUV	127.7290, -62.9704, -9.4093
Hunter-Lab	53.0314, -27.2486, 32.2191

Details

The CIELCh color **60, 70.569, 117.705** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 91.158, 307.945**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 70.859, 117.746**, and **40, 55.238, 124.116** is the 20% darker color. If you saturate the color by 10%, you get **60, 70.491, 117.730**, and if you desaturate by 10%, it is **60, 67.752, 117.041**.

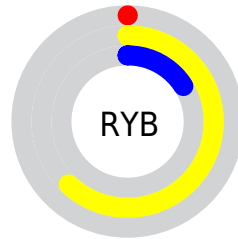
Distribution



Red (46%)

Green (62%)

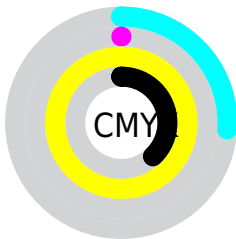
Blue (0%)



Red (0%)

Yellow (62%)

Blue (16%)

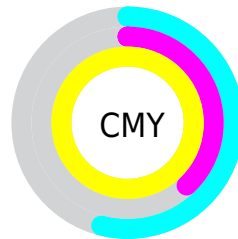


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (54%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 70.569, 117.705 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 60, 70.569, 117.705 by changing the saturation by 10% instead.


 60, 70.569,
117.705


 60, 70.569,
117.705


 100, 70.569,
117.705


 50, 70.569,
117.705


 80, 70.569,
117.705

 40, 70.569,
117.705

 90, 70.569,
117.705

 30, 70.569,
117.705

 20, 70.569,
117.705

 10, 70.569,
117.705

 0, 70.569, 117.705

 60, 70.569,

 60, 70.569,

117.705

■ 60, 70.491,
117.730

117.705

■ 60, 67.752,
117.041

■ 61, 63.638,
116.666

■ 61, 57.953,
116.656

■ 61, 51.071,
116.913

■ 62, 43.363,
117.345

■ 62, 35.119,
117.882

■ 63, 26.544,
118.473

■ 64, 17.773,
119.086

Harmonies

Complementary

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



60, 70.569, 117.705



20, 91.158, 307.945

Rectangle

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



60, 70.569, 117.705



60, 70.569, 167.705



60, 70.569, 297.705



60, 70.569, 347.705

Sweetspot

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



60, 70.491, 117.730



80, 32.719, 118.439



35, 67.436, 45.596



42, 22.212, 118.205



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 70.491, 117.730



76, 85.427, 117.978



57, 81.283, 133.845



33, 5.043, 119.744



55, 65.504, 117.618



4, 6.654, 121.622

Inverse Universe

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



20, 91.158, 307.945



27, 110.557, 307.790



30, 82.856, 319.091



31, 5.139, 300.863



17, 84.676, 308.017



1, 6.613, 299.779

Previews

White Background



This preview shows how the CIELCh color 60, 70.569, 117.705 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 CIE LCh color 60, 70.569, 117.705 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 60, 70.569, 117.705

Background



This preview shows how black text looks on a background with the CIELCh color 60, 70.569, 117.705.



This preview shows how white text looks on a background with the CIELCh color 60, 70.569, 117.705.

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](#).

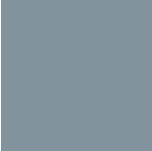
Dichromacy



Original Color
60, 70.569, 117.705

Protanopia
60, 64.236, 95.283

Deuteranopia
60, 59.356, 82.560



Tritanopia
60, 8.408, 246.868

Trichromacy



Original Color
60, 70.569, 117.705

Protanomaly
60, 65.273, 104.477

Deuteranomaly
59, 60.967, 97.450

Tritanomaly
59, 29.681, 127.561

Monochromacy



Original Color
60, 70.569, 117.705

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 32.501, 117.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 70.569, 117.705 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(117, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 158, 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(117, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 158, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 70.569, 117.705 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(117, 158, 0) }
```

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

```
.border{ border-color:rgb(117, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(117, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 158,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 70.569, 117.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 158, 0) }
```

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

```
.background{ background-color: rgb(117,  
158, 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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