

Converting Colors

CIELCh(56, 66.442, 117.860)

Have a look what the booklet for
CIELCh(56, 66.442, 117.860)
contains.

CIELCh(56, 66.707, 118.016)	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(56, 66.707, 118.016)

Conversions

Conversions Part 1

Format	Color
Hex	6C9301
RGB	108, 147, 1
RGB Percent	42%, 58%, 0%
CMY	0.5781, 0.4250, 0.9951
CMYK	0.27, 0.00, 0.99, 0.43
HSL	76°, 98%, 29%
HSV	76°, 99%, 57%
XYZ	16.5156, 23.9124, 3.7807
YIQ	118.6950, 23.6220, -53.6740

Conversions

Conversions Part 2

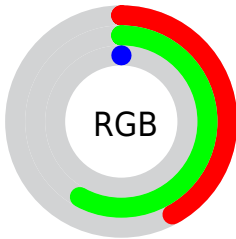
Format	Color
RYB	1, 147, 40
Decimal	7115521
CIELab	56.00, -31.33, 58.89
CIELCh	56, 66.707, 118.016
Yxy	23.9124, 0.3736, 0.5409
Android (android.graphics.Color)	4285305601 (0xFF6C9301)
YUV	118.6950, -58.0236, -9.3795
Hunter-Lab	48.9003, -25.2890, 29.6463

Details

The CIELCh color **56, 66.707, 118.016** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **18, 85.753, 308.058**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.894, 118.050**, and **36, 51.803, 124.779** is the 20% darker color. If you saturate the color by 10%, you get **56, 66.942, 118.071**, and if you desaturate by 10%, it is **56, 63.903, 117.365**.

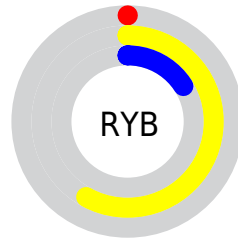
Distribution



Red (42%)

Green (58%)

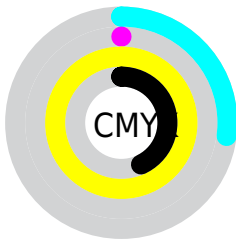
Blue (0%)



Red (0%)

Yellow (58%)

Blue (16%)

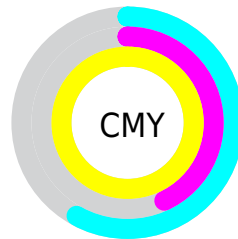


Cyan (27%)

Magenta (0%)

Yellow (99%)

Black (43%)



Cyan (58%)


Magenta (43%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 66.707, 118.016 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 56, 66.707, 118.016 by changing the saturation by 10% instead.


 56, 66.707,
118.016


 56, 66.707,
118.016


 100, 66.707,
118.016


 46, 66.707,
118.016


 76, 66.707,
118.016

 36, 66.707,
118.016

 86, 66.707,
118.016

 26, 66.707,
118.016

 96, 66.707,
118.016

 16, 66.707,
118.016

 6, 66.707, 118.016

 0, 66.707, 118.016

■ 56, 66.707,
118.016

■ 56, 66.707,
118.016

■ 56, 66.942,
118.071

■ 56, 63.903,
117.365

■ 57, 59.787,
117.033

■ 57, 54.244,
117.052

■ 57, 47.629,
117.325

■ 58, 40.280,
117.761

■ 58, 32.456,
118.295

■ 59, 24.340,
118.879

■ 59, 16.053,

119.481

■ 60, 7.679, 120.081

Harmonies

Complementary

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



56, 66.707, 118.016



18, 85.753, 308.058

Rectangle

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



56, 66.707, 118.016



56, 66.707, 168.016



56, 66.707, 298.016



56, 66.707, 348.016

Sweetspot

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



56, 66.707, 118.018



75, 31.089, 118.791



33, 62.611, 46.365



39, 21.325, 118.565



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 66.707, 118.018



72, 81.576, 118.349



53, 76.947, 134.018



31, 4.777, 120.077



53, 63.926, 117.995



2, 4.192, 120.608

Inverse Universe

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



18, 85.753, 308.058



25, 105.166, 307.919



28, 78.045, 319.726



29, 4.866, 301.167



17, 82.324, 308.145



0, 4.193, 300.607

Previews

White Background



This preview shows how the CIELCh color 56, 66.707, 118.016 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 56, 66.707, 118.016 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 56, 66.707, 118.016

Background



This preview shows how black text looks on a background with the CIELCh color 56, 66.707, 118.016.



This preview shows how white text looks on a background with the CIELCh color 56, 66.707, 118.016.

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
56, 66.860, 117.967

Protanopia
56, 60.674, 95.174

Deuteranopia
56, 55.930, 82.509



Tritanopia
56, 8.272, 248.876

Trichromacy



Original Color
56, 66.860, 117.967

Protanomaly
56, 61.751, 104.593

Deuteranomaly
55, 57.120, 97.033

Tritanomaly
55, 27.848, 128.354

Monochromacy



Original Color
56, 66.860, 117.967

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 30.116, 118.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 66.707, 118.016 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(108, 147, 1)` looks like.

```
.text, #text, p{  
    color:rgb(108, 147, 1)  
}
```

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(108, 147, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 147, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 66.707, 118.016 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(108, 147, 1) }
```

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

```
.border{ border-color:rgb(108, 147, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 147, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 147, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 147, 1);  
box-shadow:4px 4px 4px 4px rgb(108, 147,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 66.707, 118.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 147, 1) }
```

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

```
.background{ background-color: rgb(108,  
147, 1) }
```

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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