

Converting Colors

CIELCh(58, 68.806, 117.389)

Have a look what the booklet for
CIELCh(58, 68.806, 117.389)
contains.

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Color

CIELCh(58, 68.522, 117.515)

Conversions

Conversions Part 1

Format	Color
Hex	719800
RGB	113, 152, 0
RGB Percent	44%, 60%, 0%
CMY	0.5569, 0.4040, 1.0000
CMYK	0.26, 0.00, 1.00, 0.40
HSL	75°, 100%, 30%
HSV	75°, 100%, 60%
XYZ	18.0335, 25.9610, 4.0596
YIQ	123.0110, 25.5480, -55.5400

Conversions

Conversions Part 2

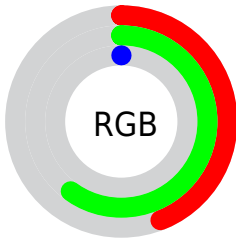
Format	Color
RYB	0, 152, 39
Decimal	7444480
CIELab	58.00, -31.66, 60.77
CIElCh	58, 68.522, 117.515
Yxy	25.9610, 0.3753, 0.5402
Android (android.graphics.Color)	4285634560 (0xFF719800)
YUV	123.0110, -60.6444, -8.7796
Hunter-Lab	50.9519, -25.9892, 30.9424

Details

The CIELCh color **58, 68.522, 117.515** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19, 88.725, 307.932**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 68.302, 117.338**, and **38, 53.361, 124.052** is the 20% darker color. If you saturate the color by 10%, you get **58, 68.519, 117.517**, and if you desaturate by 10%, it is **58, 65.790, 116.860**.

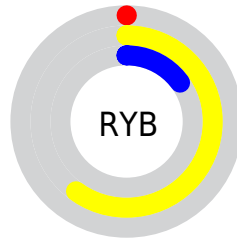
Distribution



Red (44%)

Green (60%)

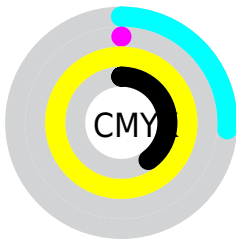
Blue (0%)



Red (0%)

Yellow (60%)

Blue (15%)

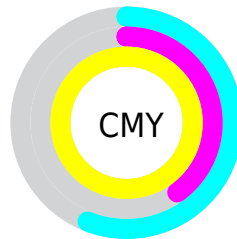


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (56%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 68.522, 117.515 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, 68.522, 117.515 by changing the saturation by 10% instead.


 58, 68.522,
117.515


 58, 68.522,
117.515


 100, 68.522,
117.515

 48, 68.522,
117.515


 78, 68.522,
117.515

 38, 68.522,
117.515

 88, 68.522,
117.515

 28, 68.522,
117.515

 98, 68.522,
117.515

 18, 68.522,
117.515

 8, 68.522, 117.515

 0, 68.522, 117.515

■ 58, 68.522,
117.515

■ 58, 68.522,
117.515

■ 58, 68.519,
117.517

■ 58, 65.790,
116.860

■ 59, 61.765,
116.504

■ 59, 56.226,
116.507

■ 59, 49.537,
116.771

■ 60, 42.054,
117.207

■ 60, 34.056,
117.747

■ 61, 25.739,
118.340

■ 61, 17.235,

118.954

■ 62, 8.632, 119.568

Harmonies

Complementary

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



58, 68.522, 117.515



19, 88.725, 307.932

Rectangle

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



58, 68.522, 117.515



58, 68.522, 167.515



58, 68.522, 297.515



58, 68.522, 347.515

Sweetspot

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



58, 68.519, 117.517



77, 31.703, 118.305



34, 65.501, 45.647



41, 21.744, 118.071



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, 68.519, 117.517



73, 82.926, 117.770



55, 79.065, 133.810



32, 4.905, 119.615



54, 64.583, 117.426



3, 5.330, 120.634

Inverse Universe

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



19, 88.725, 307.932



26, 107.468, 307.773



29, 80.621, 319.116



30, 4.999, 300.735



17, 83.601, 307.992



0, 5.320, 299.996

Previews

White Background



This preview shows how the CIELCh color 58, 68.522, 117.515 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 58, 68.522, 117.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

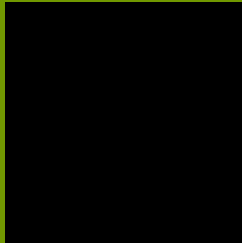
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 68.522, 117.515

Background



This preview shows how black text looks on a background with the CIELCh color 58, 68.522, 117.515.



This preview shows how white text looks on a background with the CIELCh color 58, 68.522, 117.515.

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](#).

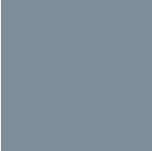
Dichromacy



Original Color
58, 68.522, 117.515

Protanopia
58, 62.338, 94.989

Deuteranopia
58, 57.552, 82.751



Tritanopia
58, 8.432, 253.390

Trichromacy



Original Color
58, 68.522, 117.515

Protanomaly
58, 63.342, 104.118

Deuteranomaly
57, 58.881, 97.231

Tritanomaly
57, 28.557, 126.818

Monochromacy



Original Color
58, 68.522, 117.515

Achromatopsia
52, 0.007, 296.813

Achromatomaly
54, 32.115, 118.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 68.522, 117.515 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(113, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 152, 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(113, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 68.522, 117.515 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(113, 152, 0) }
```

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

```
.border{ border-color:rgb(113, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 152,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 68.522, 117.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 152, 0) }
```

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

```
.background{ background-color: rgb(113,  
152, 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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