

Converting Colors

CIELCh(58, 70.922, 311.745)

Have a look what the booklet for
CIELCh(58, 70.922, 311.745)
contains.

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Color

CIELCh(58, 70.885, 311.742)

Conversions

Conversions Part 1

Format	Color
Hex	AC6FE9
RGB	172, 111, 233
RGB Percent	67%, 44%, 91%
CMY	0.3261, 0.5653, 0.0869
CMYK	0.26, 0.52, 0.00, 0.09
HSL	270°, 73%, 67%
HSV	270°, 52%, 91%
XYZ	37.3283, 25.9610, 80.0085
YIQ	143.1470, -2.8060, 50.8740

Conversions

Conversions Part 2

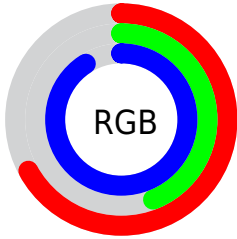
Format	Color
R_{YB}	172, 111, 233
Decimal	11300841
CIE _{Lab}	58.00, 47.19, -52.89
CIE _{LCh}	58, 70.885, 311.742
Yxy	25.9610, 0.2605, 0.1812
Android (android.graphics.Color)	4289490921 (0xFFAC6FE9)
YUV	143.1470, 44.2975, 25.3041
Hunter-Lab	50.9519, 41.6064, -57.4352

Details

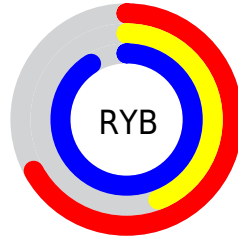
The CIELCh color $58, 70.885, 311.742$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $86, 65.531, 126.657$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $76, 53.409, 318.072$, and $38, 71.186, 311.696$ is the 20% darker color. If you saturate the color by 10%, you get $52, 84.148, 312.198$, and if you desaturate by 10%, it is $64, 57.106, 311.214$.

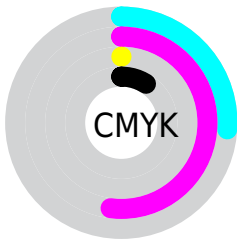
Distribution



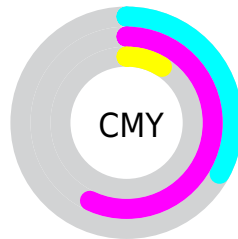
- Red (67%)
- Green (44%)
- Blue (91%)



- Red (67%)
- Yellow (44%)
- Blue (91%)



- Cyan (26%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)





- Cyan (33%)
- Magenta (57%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 70.885, 311.742 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, 70.885, 311.742 by changing the saturation by 10% instead.


 58, 70.885,
311.742

 58, 70.885,
311.742


 100, 70.885,
311.742


 48, 70.885,
311.742


 78, 70.885,
311.742

 38, 70.885,
311.742

 88, 70.885,
311.742

 28, 70.885,
311.742

 98, 70.885,
311.742

 18, 70.885,
311.742

 8, 70.885, 311.742

 0, 70.885, 311.742

58, 70.885,
311.742

58, 70.885,
311.742

52, 84.148,
312.198

64, 57.106,
311.214

47, 96.241,
312.502

71, 43.239,
310.665

42, 106.274,
312.547

77, 29.531,
310.130

39, 113.306,
312.217

84, 16.119,
309.624

37, 116.675,
311.729

91, 3.072, 309.128

97, 9.584, 128.769

99, 11.243,
112.388

99, 11.220,
109.329

Harmonies

Complementary

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



58, 70.885, 311.742



86, 65.531, 126.657

Rectangle

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



58, 70.885, 311.742



58, 70.885, 1.742



58, 70.885, 131.742



58, 70.885, 181.742

Sweetspot

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



58, 70.884, 311.742



88, 22.524, 309.806



69, 35.962, 263.797



46, 15.251, 309.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 70.884, 311.742



56, 91.401, 312.234



65, 74.975, 326.649



46, 7.405, 309.482



28, 96.477, 311.913



4, 37.677, 311.610

Inverse Universe

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



63, 54.751, 349.433



64, 68.821, 351.373



83, 75.353, 139.740



46, 5.960, 344.398



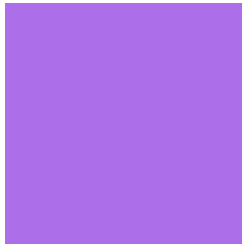
39, 65.541, 1.926



8, 28.609, 355.208

Previews

White Background



This preview shows how the CIELCh color 58, 70.885, 311.742 looks on a white background.

Color Contrast Check

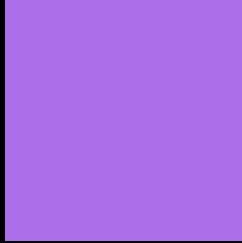
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.885, 311.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

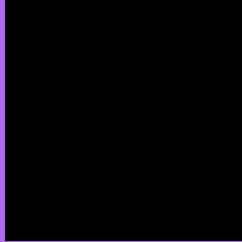
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 70.885, 311.742

Background



This preview shows how black text looks on a background with the CIELCh color 58, 70.885, 311.742.

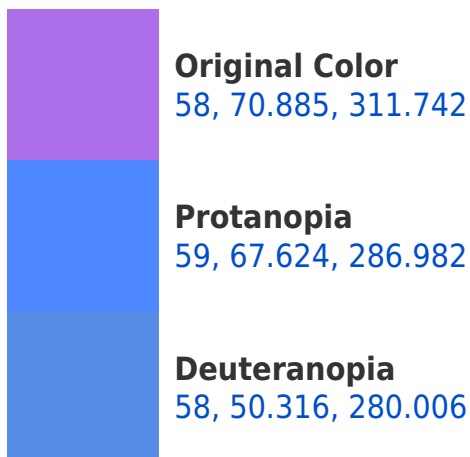


This preview shows how white text looks on a background with the CIELCh color 58, 70.885, 311.742.

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





Tritanopia
58, 11.004, 346.069

Trichromacy



Original Color
58, 70.885, 311.742



Protanomaly
57, 68.017, 294.491



Deuteranomaly
57, 56.855, 293.105



Tritanomaly
58, 32.014, 317.761

Monochromacy



Original Color
58, 70.885, 311.742



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 26.905, 309.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 70.885, 311.742 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(172, 111, 233)` looks like.

```
.text, #text, p{  
    color:rgb(172, 111, 233)  
}
```

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(172, 111, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 111, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 70.885, 311.742 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(172, 111, 233) }
```

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

```
.border{ border-color:rgb(172, 111, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 111, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 111, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 111, 233);  
box-shadow:4px 4px 4px 4px rgb(172, 111,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 70.885, 311.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 111, 233) }
```

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

```
.background{ background-color: rgb(172,  
111, 233) }
```

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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