

Converting Colors

CIELCh(58, 85.801, 311.562)

Have a look what the booklet for
CIELCh(58, 85.801, 311.562)
contains.

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Color

CIELCh(58, 85.659, 311.501)

Conversions

Conversions Part 1

Format	Color
Hex	AF67FD
RGB	175, 103, 253
RGB Percent	69%, 40%, 99%
CMY	0.3131, 0.5955, 0.0072
CMYK	0.31, 0.59, 0.00, 0.01
HSL	269°, 98%, 70%
HSV	269°, 59%, 99%
XYZ	40.3313, 25.9610, 95.9419
YIQ	141.6280, -5.2380, 61.9140

Conversions

Conversions Part 2

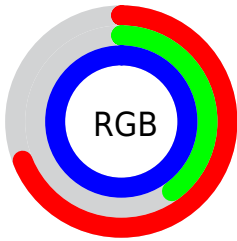
Format	Color
R _Y B	175, 103, 253
Decimal	11495421
CIE Lab	58.00, 56.76, -64.15
CIE LCh	58, 85.659, 311.501
Yxy	25.9610, 0.2486, 0.1600
Android (android.graphics.Color)	4289685501 (0xFFAF67FD)
YUV	141.6280, 54.9064, 29.2672
Hunter-Lab	50.9519, 52.1269, -75.9761

Details

The CIELCh color **58, 85.659, 311.501** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **92, 77.861, 125.725**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 58.179, 320.069**, and **38, 85.603, 311.530** is the 20% darker color. If you saturate the color by 10%, you get **52, 99.163, 311.897**, and if you desaturate by 10%, it is **64, 71.174, 310.983**.

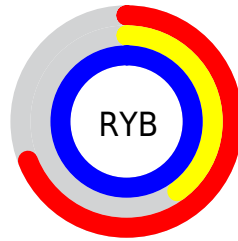
Distribution



Red (69%)

Green (40%)

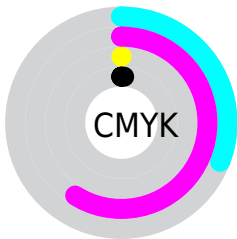
Blue (99%)



Red (69%)

Yellow (40%)

Blue (99%)

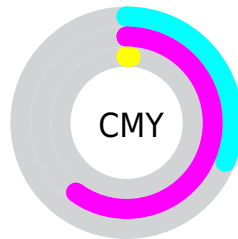


Cyan (31%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (31%)


Magenta (60%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.659, 311.501 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, 85.659, 311.501 by changing the saturation by 10% instead.


 58, 85.659,
311.501


 58, 85.659,
311.501


 100, 85.659,
311.501


 48, 85.659,
311.501


 78, 85.659,
311.501

 38, 85.659,
311.501

 88, 85.659,
311.501

 28, 85.659,
311.501

 98, 85.659,
311.501

 18, 85.659,
311.501

 8, 85.659, 311.501

 0, 85.659, 311.501

■ 58, 85.659,
311.501

■ 58, 85.659,
311.501

■ 52, 99.163,
311.897

■ 64, 71.174,
310.983

■ 47, 110.781,
312.065

■ 71, 56.337,
310.414

■ 43, 119.439,
311.881

■ 78, 41.532,
309.843

■ 40, 124.576,
311.283

■ 85, 26.976,
309.296

■ 40, 124.901,
311.236

■ 93, 12.783,
308.785

■ 100, 0.977,
128.151

■ 100, 0.925,
110.025

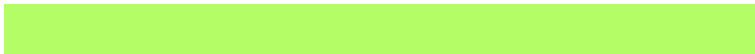
Harmonies

Complementary

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



58, 85.659, 311.501



92, 77.861, 125.725

Rectangle

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



58, 85.659, 311.501



58, 85.659, 1.501



58, 85.659, 131.501



58, 85.659, 181.501

Sweetspot

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



58, 85.658, 311.501



87, 25.318, 309.230



72, 42.220, 264.081



44, 17.665, 309.384



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, 85.658, 311.501



51, 101.946, 311.947



67, 88.648, 326.403



49, 7.899, 308.797



30, 100.965, 311.426



6, 44.915, 312.331

Inverse Universe

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



65, 65.775, 349.369



61, 75.571, 351.712



89, 89.267, 138.669



50, 6.469, 343.336



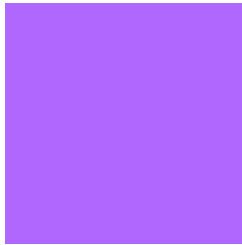
41, 68.502, 0.225



11, 32.071, 354.939

Previews

White Background



This preview shows how the CIELCh color 58, 85.659, 311.501 looks on a white background.

Color Contrast Check

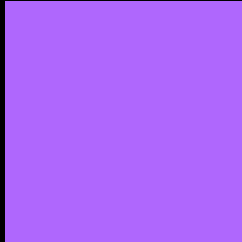
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.659, 311.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

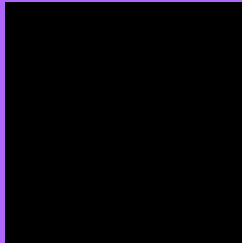
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 85.659, 311.501

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.659, 311.501.

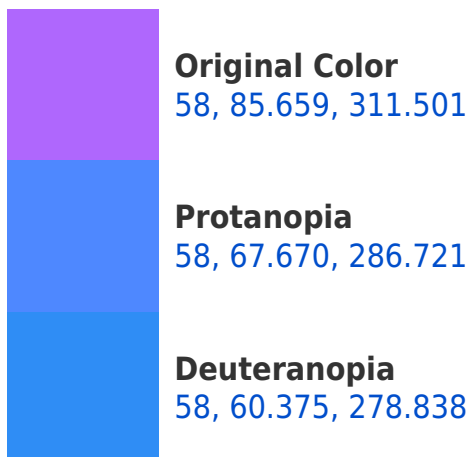


This preview shows how white text looks on a background with the CIELCh color 58, 85.659, 311.501.

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, 10.681, 344.805

Trichromacy



Original Color
58, 85.659, 311.501



Protanomaly
57, 73.662, 295.900



Deuteranomaly
56, 68.892, 291.292



Tritanomaly
57, 38.076, 315.418

Monochromacy



Original Color
58, 85.659, 311.501



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 32.213, 309.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.659, 311.501 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(175, 103, 253)` looks like.

```
.text, #text, p{  
    color:rgb(175, 103, 253)  
}
```

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(175, 103, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 103, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.659, 311.501 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(175, 103, 253) }
```

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

```
.border{ border-color:rgb(175, 103, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 103, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 103, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 103, 253);  
box-shadow:4px 4px 4px 4px rgb(175, 103,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.659, 311.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 103, 253) }
```

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

```
.background{ background-color: rgb(175,  
103, 253) }
```

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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