

Converting Colors

CIELCh(58, 88.431, 312.260)

Have a look what the booklet for
CIELCh(58, 88.431, 312.260)
contains.

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Color

CIELCh(58, 88.353, 312.427)

Conversions

Conversions Part 1

Format	Color
Hex	B364FF
RGB	179, 100, 255
RGB Percent	70%, 39%, 100%
CMY	0.2976, 0.6074, 0.0000
CMYK	0.30, 0.61, 0.00, 0.00
HSL	271°, 100%, 70%
HSV	271°, 61%, 100%
XYZ	41.2550, 25.9610, 97.5462
YIQ	141.2910, -2.6710, 64.9530

Conversions

Conversions Part 2

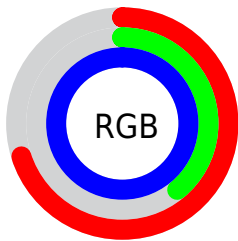
Format	Color
R _Y B	179, 100, 255
Decimal	11756799
CIE Lab	58.00, 59.61, -65.22
CIE LCh	58, 88.353, 312.427
Yxy	25.9610, 0.2504, 0.1576
Android (android.graphics.Color)	4289946879 (0xFFB364FF)
YUV	141.2910, 56.0585, 33.0708
Hunter-Lab	50.9519, 55.3630, -77.8429

Details

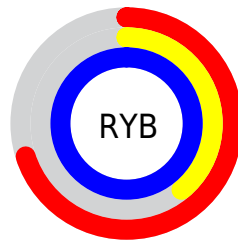
The CIELCh color **58, 88.353, 312.427** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **92, 80.685, 126.756**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 60.472, 321.533**, and **38, 88.243, 312.468** is the 20% darker color. If you saturate the color by 10%, you get **52, 101.463, 312.751**, and if you desaturate by 10%, it is **64, 73.942, 311.982**.

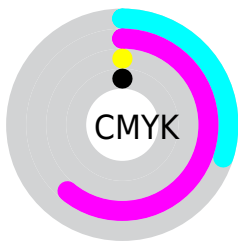
Distribution



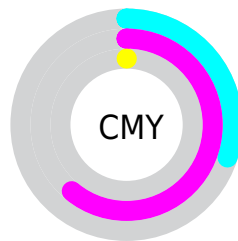
- Red (70%)
- Green (39%)
- Blue (100%)



- Red (70%)
- Yellow (39%)
- Blue (100%)



- Cyan (30%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 88.353, 312.427 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, 88.353, 312.427 by changing the saturation by 10% instead.

 58, 88.353,
312.427

 58, 88.353,
312.427

 100, 88.353,
312.427

 48, 88.353,
312.427

 78, 88.353,
312.427

 38, 88.353,
312.427

 88, 88.353,
312.427

 28, 88.353,
312.427

 98, 88.353,
312.427

 18, 88.353,
312.427

 8, 88.353, 312.427

 0, 88.353, 312.427

58, 88.353,
312.427

58, 88.353,
312.427

52, 101.463,
312.751

64, 73.942,
311.982

47, 112.520,
312.818

71, 59.091,
311.459

44, 120.446,
312.523

78, 44.173,
310.919

41, 124.773,
311.907

85, 29.442,
310.393

92, 15.039,
309.895

99, 1.032, 309.312

100, 0.012,
296.813

Harmonies

Complementary

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



58, 88.353, 312.427



92, 80.685, 126.756

Rectangle

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



58, 88.353, 312.427



58, 88.353, 2.427



58, 88.353, 132.427



58, 88.353, 182.427

Sweetspot

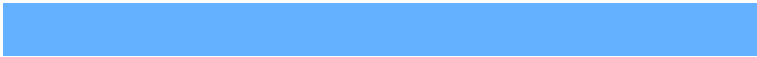
The Sweet Spot groups the original color and five complimentary colors.



58, 88.293, 312.438



87, 25.459, 310.253



71, 45.493, 268.451



44, 17.760, 310.401



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, 88.293, 312.438



51, 104.183, 312.792



68, 91.289, 327.494



49, 7.947, 309.836



30, 100.313, 312.103



6, 44.889, 313.156

Inverse Universe

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



65, 66.554, 351.607



60, 75.957, 354.346



89, 92.357, 139.066



50, 6.340, 344.964



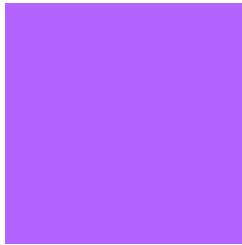
41, 68.151, 3.081



10, 31.777, 357.324

Previews

White Background



This preview shows how the CIELCh color 58, 88.353, 312.427 looks on a white background.

Color Contrast Check

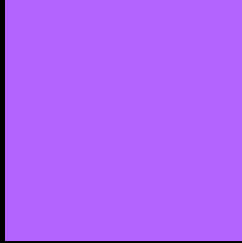
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.353, 312.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

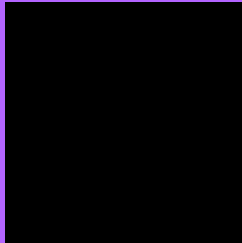
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 88.353, 312.427

Background



This preview shows how black text looks on a background with the CIELCh color 58, 88.353, 312.427.

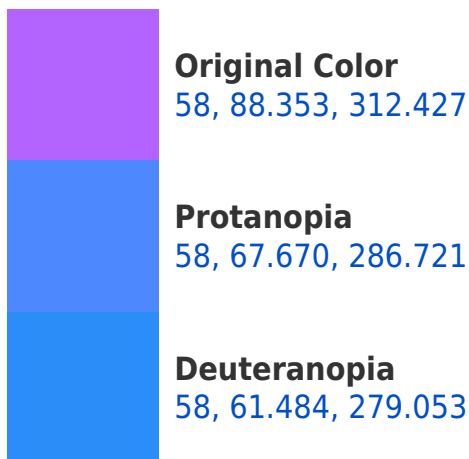



This preview shows how white text looks on a background with the CIELCh color 58, 88.353, 312.427.

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, 11.755, 351.879

Trichromacy



Original Color
58, 88.353, 312.427



Protanomaly
57, 74.790, 296.577



Deuteranomaly
56, 70.622, 291.565



Tritanomaly
57, 39.376, 318.143

Monochromacy



Original Color
58, 88.353, 312.427



Achromatopsia
59, 0.008, 296.813



Achromatomaly
57, 33.638, 311.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 88.353, 312.427 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(179, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 100, 255)  
}
```

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(179, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 100, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 88.353, 312.427 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(179, 100, 255) }
```

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

```
.border{ border-color:rgb(179, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 100,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 88.353, 312.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 100, 255) }
```

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

```
.background{ background-color: rgb(179,  
100, 255) }
```

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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