

Converting Colors

CIELCh(59, 100.233, 311.153)

Have a look what the booklet for
CIELCh(59, 100.233, 311.153)
contains.

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Color

CIELCh(58, 89.452, 312.824)

Conversions

Conversions Part 1

Format	Color
Hex	B563FF
RGB	181, 99, 255
RGB Percent	71%, 39%, 100%
CMY	0.2908, 0.6126, 0.0000
CMYK	0.29, 0.61, 0.00, 0.00
HSL	272°, 100%, 69%
HSV	272°, 61%, 100%
XYZ	41.6478, 25.9610, 98.1416
YIQ	141.3020, -1.2040, 65.9000

Conversions

Conversions Part 2

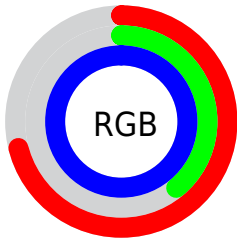
Format	Color
R_{YB}	181, 99, 255
Decimal	11887615
CIE _{Lab}	58.00, 60.80, -65.61
CIE _{LCh}	58, 89.452, 312.824
Yxy	25.9610, 0.2513, 0.1566
Android (android.graphics.Color)	4290077695 (0xFFB563FF)
YUV	141.3020, 56.0531, 34.8151
Hunter-Lab	50.9519, 56.7388, -78.5358

Details

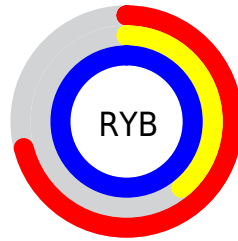
The CIELCh color **58, 89.452, 312.824** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **92, 81.635, 127.271**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 61.316, 322.199**, and **38, 88.578, 312.905** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.022, 313.179**, and if you desaturate by 10%, it is **64, 74.793, 312.474**.

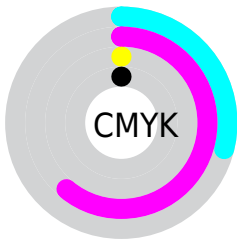
Distribution



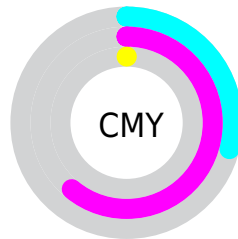
- Red (71%)
- Green (39%)
- Blue (100%)



- Red (71%)
- Yellow (39%)
- Blue (100%)



- Cyan (29%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 89.452, 312.824 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, 89.452, 312.824 by changing the saturation by 10% instead.

 58, 89.452,
312.824


 58, 89.452,
312.824


 100, 89.452,
312.824

 48, 89.452,
312.824

 78, 89.452,
312.824

 38, 89.452,
312.824

 88, 89.452,
312.824

 28, 89.452,
312.824

 98, 89.452,
312.824

 18, 89.452,
312.824

 8, 89.452, 312.824

 0, 89.452, 312.824

■ 58, 89.452,
312.824

■ 58, 89.452,
312.824

■ 52, 102.022,
313.179

■ 64, 74.793,
312.474

■ 48, 112.811,
313.205

■ 71, 59.982,
311.973

■ 44, 120.425,
312.868

■ 78, 45.057,
311.448

■ 42, 124.356,
312.267

■ 85, 30.291,
310.932

■ 92, 15.833,
310.442

■ 99, 1.761, 309.918

■ 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, 89.452, 312.824



92, 81.635, 127.271

Rectangle

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



58, 89.452, 312.824



58, 89.452, 2.824



58, 89.452, 132.824



58, 89.452, 182.824

Sweetspot

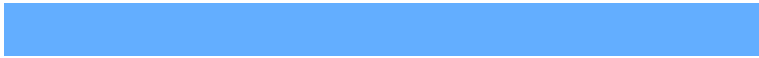
The Sweet Spot groups the original color and five complimentary colors.



58, 89.038, 312.902



87, 25.533, 310.769



70, 46.978, 270.444



44, 17.810, 310.915



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, 89.038, 312.902



51, 105.235, 313.216



67, 90.880, 328.026



49, 7.972, 310.359



31, 99.983, 312.463



6, 44.868, 313.578

Inverse Universe

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



64, 66.573, 352.739



60, 76.168, 355.743



89, 92.097, 139.394



50, 6.276, 345.815



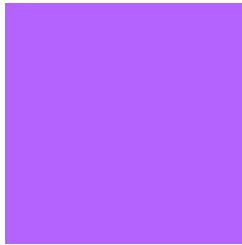
41, 68.050, 4.548



10, 31.652, 358.559

Previews

White Background



This preview shows how the CIELCh color 58, 89.452, 312.824 looks on a white background.

Color Contrast Check

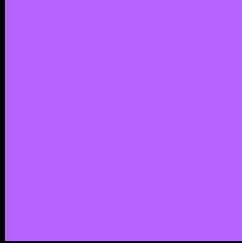
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.452, 312.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

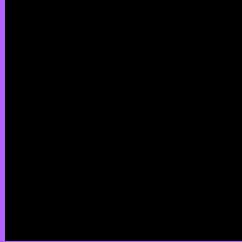
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 89.452, 312.824

Background



This preview shows how black text looks on a background with the CIELCh color 58, 89.452, 312.824.




This preview shows how white text looks on a background with the CIELCh color 58, 89.452, 312.824.

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, 12.839, 354.658

Trichromacy



Original Color
58, 88.917, 312.907



Protanomaly
57, 75.404, 296.848



Deuteranomaly
56, 70.060, 291.598



Tritanomaly
57, 39.805, 319.635

Monochromacy



Original Color
58, 88.917, 312.907



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, 89.452, 312.824 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(181, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 99, 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(181, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 99, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 89.452, 312.824 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(181, 99, 255) }
```

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

```
.border{ border-color:rgb(181, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 99,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 89.452, 312.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 99, 255) }
```

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

```
.background{ background-color: rgb(181, 99,  
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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