

Converting Colors

CIELCh(63, 120.441, 308.630)

Have a look what the booklet for
CIELCh(63, 120.441, 308.630)
contains.

CIELCh(58, 87.260, 312.399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 87.260, 312.399)

Conversions

Conversions Part 1

Format	Color
Hex	B365FE
RGB	179, 101, 254
RGB Percent	70%, 40%, 100%
CMY	0.2991, 0.6046, 0.0051
CMYK	0.30, 0.60, 0.00, 0.01
HSL	271°, 98%, 70%
HSV	271°, 60%, 99%
XYZ	41.0042, 25.9610, 96.3701
YIQ	141.7640, -2.6250, 64.1190

Conversions

Conversions Part 2

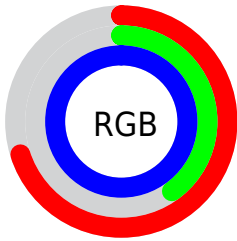
Format	Color
R _Y B	179, 101, 254
Decimal	11757054
CIE _{Lab}	58.00, 58.84, -64.44
CIE _{LCh}	58, 87.260, 312.399
Y _{xy}	25.9610, 0.2510, 0.1589
Android (android.graphics.Color)	4289947134 (0xFFB365FE)
YUV	141.7640, 55.3323, 32.6560
Hunter-Lab	50.9519, 54.4842, -76.4743

Details

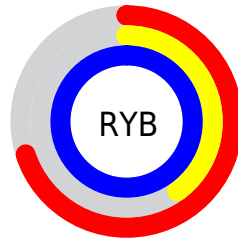
The CIELCh color **58, 87.260, 312.399** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **92, 79.789, 126.745**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 59.867, 321.465**, and **38, 87.307, 312.459** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.458, 312.723**, and if you desaturate by 10%, it is **64, 72.927, 311.937**.

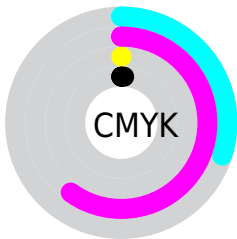
Distribution



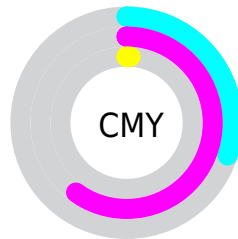
- Red (70%)
- Green (40%)
- Blue (100%)



- Red (70%)
- Yellow (40%)
- Blue (100%)



- Cyan (30%)
- Magenta (60%)
- Yellow (0%)
- Black (1%)




- Cyan (30%)
- Magenta (60%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 87.260, 312.399 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, 87.260, 312.399 by changing the saturation by 10% instead.

 58, 87.260,
312.399


 58, 87.260,
312.399

 100, 87.260,
312.399


 48, 87.260,
312.399


 78, 87.260,
312.399

 38, 87.260,
312.399

 88, 87.260,
312.399

 28, 87.260,
312.399

 98, 87.260,
312.399

 18, 87.260,
312.399

 8, 87.260, 312.399

 0, 87.260, 312.399

58, 87.260,
312.399

58, 87.260,
312.399

52, 100.458,
312.723

64, 72.927,
311.937

47, 111.606,
312.806

71, 58.124,
311.412

44, 119.684,
312.533

78, 43.271,
310.871

41, 124.308,
311.895

85, 28.616,
310.346

92, 14.291,
309.850

99, 0.363, 309.011

100, 0.644,
110.010

Harmonies

Complementary

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



58, 87.260, 312.399



92, 79.789, 126.745

Rectangle

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



58, 87.260, 312.399



58, 87.260, 2.399



58, 87.260, 132.399



58, 87.260, 182.399

Sweetspot

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



58, 87.259, 312.399



87, 25.456, 310.231



70, 44.965, 268.281



44, 17.758, 310.380



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, 87.259, 312.399



52, 102.997, 312.758



68, 90.359, 327.476



49, 7.946, 309.814



30, 100.327, 312.088



6, 44.890, 313.138

Inverse Universe

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



64, 65.873, 351.468



60, 75.329, 354.046



89, 91.386, 139.123



50, 6.343, 344.928



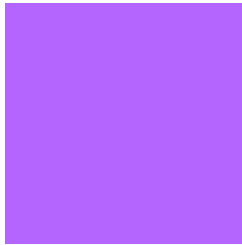
41, 68.156, 3.019



10, 31.782, 357.272

Previews

White Background



This preview shows how the CIELCh color 58, 87.260, 312.399 looks on a white background.

Color Contrast Check

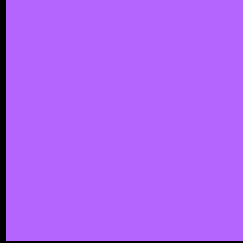
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.260, 312.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

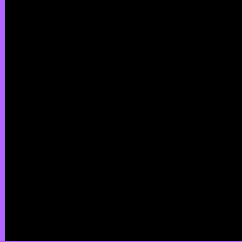
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 87.260, 312.399

Background



This preview shows how black text looks on a background with the CIELCh color 58, 87.260, 312.399.



This preview shows how white text looks on a background with the CIELCh color 58, 87.260, 312.399.

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, 87.312, 312.408



Protanomaly
57, 74.790, 296.577



Deuteranomaly
56, 69.478, 291.792



Tritanomaly
57, 38.713, 317.983

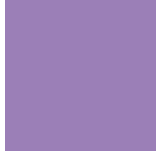
Monochromacy



Original Color
58, 87.312, 312.408



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 33.504, 310.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 87.260, 312.399 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, 101, 254)` looks like.

```
.text, #text, p{  
    color:rgb(179, 101, 254)  
}
```

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, 101, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 101, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 87.260, 312.399 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, 101, 254) }
```

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

```
.border{ border-color:rgb(179, 101, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 101, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 101, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 101, 254);  
box-shadow:4px 4px 4px 4px rgb(179, 101,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 87.260, 312.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 101, 254) }
```

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

```
.background{ background-color: rgb(179,  
101, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor