

Converting Colors

CIELCh(58, 87.218, 311.615)

Have a look what the booklet for
CIELCh(58, 87.218, 311.615)
contains.

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Color

CIELCh(58, 87.219, 311.641)

Conversions

Conversions Part 1

Format	Color
Hex	B066FF
RGB	176, 102, 255
RGB Percent	69%, 40%, 100%
CMY	0.3097, 0.5999, 0.0000
CMYK	0.31, 0.60, 0.00, 0.00
HSL	269°, 100%, 70%
HSV	269°, 60%, 100%
XYZ	40.7167, 25.9610, 97.4917
YIQ	141.5680, -5.0090, 63.2710

Conversions

Conversions Part 2

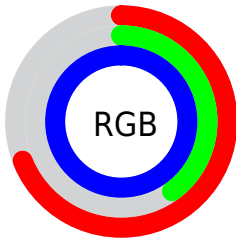
Format	Color
RYB	176, 102, 255
Decimal	11560703
CIELab	58.00, 57.95, -65.18
CIElCh	58, 87.219, 311.641
Yxy	25.9610, 0.2480, 0.1581
Android (android.graphics.Color)	4289750783 (0xFFB066FF)
YUV	141.5680, 55.9220, 30.1969
Hunter-Lab	50.9519, 53.4772, -77.7795

Details

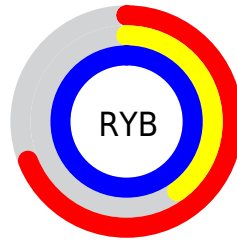
The CIELCh color **58, 87.219, 311.641** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 79.238, 125.840**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 58.905, 320.464**, and **38, 87.028, 311.655** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.660, 312.019**, and if you desaturate by 10%, it is **64, 72.699, 311.137**.

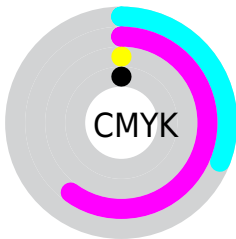
Distribution



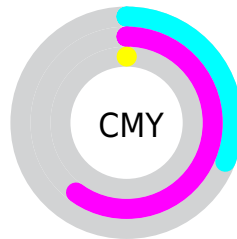
- Red (69%)
- Green (40%)
- Blue (100%)



- Red (69%)
- Yellow (40%)
- Blue (100%)



- Cyan (31%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 87.219, 311.641 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, 87.219, 311.641 by changing the saturation by 10% instead.


 58, 87.219,
311.641

 58, 87.219,
311.641


 100, 87.219,
311.641


 48, 87.219,
311.641


 78, 87.219,
311.641


 38, 87.219,
311.641

 88, 87.219,
311.641

 28, 87.219,
311.641

 98, 87.219,
311.641

 18, 87.219,
311.641

 8, 87.219, 311.641

 0, 87.219, 311.641

■ 58, 87.219,
311.641

■ 58, 87.219,
311.641

■ 52, 100.660,
312.019

■ 64, 72.699,
311.137

■ 47, 112.128,
312.157

■ 71, 57.791,
310.575

■ 43, 120.537,
311.935

■ 78, 42.886,
310.007

■ 40, 125.491,
311.313

■ 86, 28.216,
309.461

■ 40, 125.495,
311.312

■ 93, 13.901,
308.950

■ 100, 0.012,
296.813

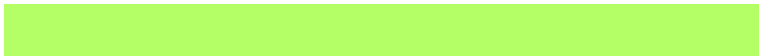
Harmonies

Complementary

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



58, 87.219, 311.641



93, 79.238, 125.840

Rectangle

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



58, 87.219, 311.641



58, 87.219, 1.641



58, 87.219, 131.641



58, 87.219, 181.641

Sweetspot

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



58, 87.207, 311.643



87, 25.335, 309.356



72, 43.931, 266.305



44, 17.676, 309.510



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, 87.207, 311.643



51, 103.157, 312.069



68, 90.225, 326.948



49, 7.905, 308.926



30, 100.885, 311.507



6, 44.913, 312.432

Inverse Universe

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



65, 66.704, 349.740



60, 76.114, 352.202



90, 91.072, 138.875



50, 6.453, 343.533



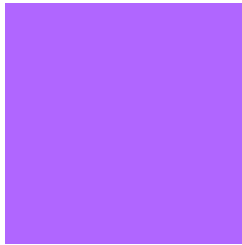
41, 68.448, 0.574



10, 32.031, 355.229

Previews

White Background



This preview shows how the CIELCh color 58, 87.219, 311.641 looks on a white background.

Color Contrast Check

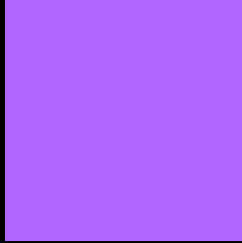
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.219, 311.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

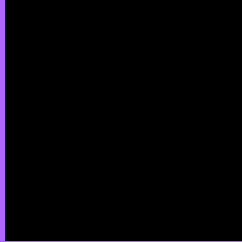
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 87.219, 311.641

Background



This preview shows how black text looks on a background with the CIELCh color 58, 87.219, 311.641.

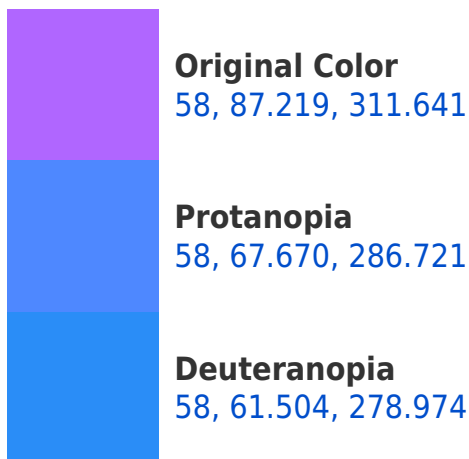


This preview shows how white text looks on a background with the CIELCh color 58, 87.219, 311.641.

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, 87.219, 311.641



Protanomaly
57, 74.190, 296.132



Deuteranomaly
56, 70.037, 291.077



Tritanomaly
57, 38.190, 315.933

Monochromacy



Original Color
58, 87.219, 311.641



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 33.413, 309.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 87.219, 311.641 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(176, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 102, 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(176, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 87.219, 311.641 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(176, 102, 255) }
```

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

```
.border{ border-color:rgb(176, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 87.219, 311.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 102, 255) }
```

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

```
.background{ background-color: rgb(176,  
102, 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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