

Converting Colors

CIELCh(64, 131.737, 307.292)

Have a look what the booklet for
CIELCh(64, 131.737, 307.292)
contains.

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Color

CIELCh(58, 87.189, 310.891)

Conversions

Conversions Part 1

Format	Color
Hex	AD67FF
RGB	173, 103, 255
RGB Percent	68%, 40%, 100%
CMY	0.3203, 0.5954, 0.0000
CMYK	0.32, 0.60, 0.00, 0.00
HSL	268°, 100%, 70%
HSV	268°, 60%, 100%
XYZ	40.4329, 25.9610, 98.6040
YIQ	141.2580, -7.0720, 62.1120

Conversions

Conversions Part 2

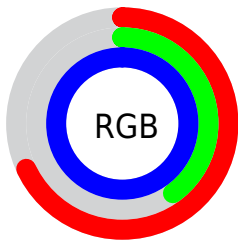
Format	Color
R_{YB}	173, 103, 255
Decimal	11364351
CIE _{Lab}	58.00, 57.08, -65.91
CIE _{LCh}	58, 87.189, 310.891
Yxy	25.9610, 0.2451, 0.1573
Android (android.graphics.Color)	4289554431 (0xFFAD67FF)
YUV	141.2580, 56.0748, 27.8377
Hunter-Lab	50.9519, 52.4829, -79.0738

Details

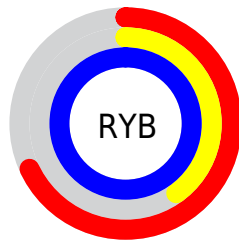
The CIELCh color **58, 87.189, 310.891** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 78.248, 125.056**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 57.952, 319.436**, and **38, 86.693, 311.031** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.186, 311.421**, and if you desaturate by 10%, it is **64, 71.915, 310.445**.

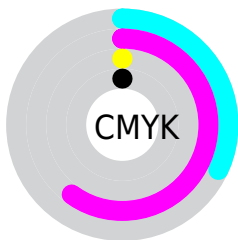
Distribution



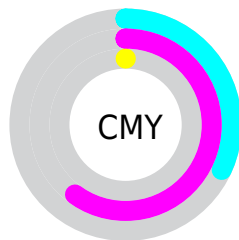
- Red (68%)
- Green (40%)
- Blue (100%)



- Red (68%)
- Yellow (40%)
- Blue (100%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 87.189, 310.891 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, 87.189, 310.891 by changing the saturation by 10% instead.


 58, 87.189,
310.891


 58, 87.189,
310.891


 100, 87.189,
310.891


 48, 87.189,
310.891


 78, 87.189,
310.891

 38, 87.189,
310.891

 88, 87.189,
310.891

 28, 87.189,
310.891

 98, 87.189,
310.891

 18, 87.189,
310.891

 8, 87.189, 310.891

 0, 87.189, 310.891

■ 58, 87.189,
310.891

■ 58, 87.189,
310.891

■ 52, 100.186,
311.421

■ 64, 71.915,
310.445

■ 47, 111.943,
311.619

■ 71, 56.969,
309.850

■ 43, 120.693,
311.456

■ 79, 42.077,
309.256

■ 40, 125.883,
310.874

■ 86, 27.452,
308.692

■ 40, 126.091,
310.846

■ 93, 13.204,
308.167

■ 100, 0.012,
296.813

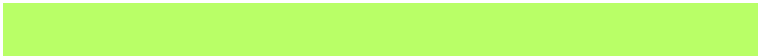
Harmonies

Complementary

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



58, 87.189, 310.891



93, 78.248, 125.056

Rectangle

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



58, 87.189, 310.891



58, 87.189, 0.891



58, 87.189, 130.891



58, 87.189, 180.891

Sweetspot

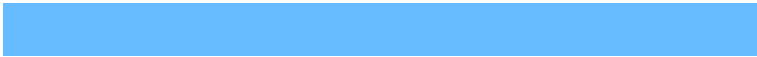
The Sweet Spot groups the original color and five complimentary colors.



58, 86.532, 310.994



87, 25.237, 308.608



73, 41.732, 262.137



44, 17.611, 308.767



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, 86.532, 310.994



51, 102.051, 311.468



67, 89.317, 325.893



49, 7.872, 308.166



29, 101.357, 311.039



6, 44.921, 311.838

Inverse Universe

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



65, 67.021, 348.276



61, 76.188, 350.460



90, 89.770, 138.339



50, 6.549, 342.387



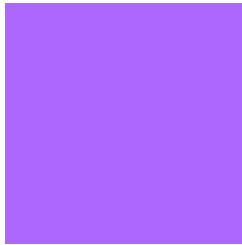
41, 68.808, 358.533



11, 32.279, 353.534

Previews

White Background



This preview shows how the CIELCh color 58, 87.189, 310.891 looks on a white background.

Color Contrast Check

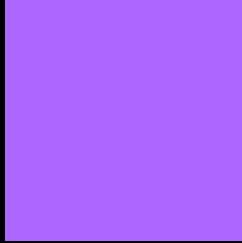
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.189, 310.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

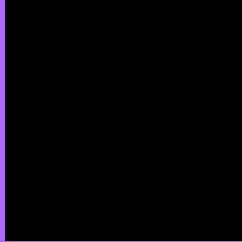
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 87.189, 310.891

Background



This preview shows how black text looks on a background with the CIELCh color 58, 87.189, 310.891.




This preview shows how white text looks on a background with the CIELCh color 58, 87.189, 310.891.

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, 9.082, 341.663

Trichromacy



Original Color
58, 86.633, 310.957



Protanomaly
57, 74.831, 296.079



Deuteranomaly
56, 70.097, 290.638



Tritanomaly
57, 37.192, 314.152

Monochromacy



Original Color
58, 86.633, 310.957



Achromatopsia
59, 0.008, 296.813



Achromatomaly
57, 32.789, 309.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 87.189, 310.891 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(173, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 103, 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(173, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 103, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 87.189, 310.891 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(173, 103, 255) }
```

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

```
.border{ border-color:rgb(173, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 103,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 87.189, 310.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 103, 255) }
```

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

```
.background{ background-color: rgb(173,  
103, 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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