

Converting Colors

CIELCh(58, 83.892, 304.589)

Have a look what the booklet for
CIELCh(58, 83.892, 304.589)
contains.

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Color

CIELCh(58, 80.077, 304.748)

Conversions

Conversions Part 1

Format	Color
Hex	9673FF
RGB	150, 115, 255
RGB Percent	59%, 45%, 100%
CMY	0.4122, 0.5499, 0.0000
CMYK	0.41, 0.55, 0.00, 0.00
HSL	255°, 100%, 73%
HSV	255°, 55%, 100%
XYZ	36.8555, 25.9610, 98.4292
YIQ	141.4250, -24.0800, 50.9600

Conversions

Conversions Part 2

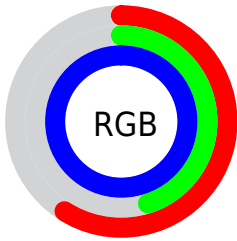
Format	Color
R_{YB}	150, 115, 255
Decimal	9860095
CIE _{Lab}	58.00, 45.64, -65.80
CIE _{LCh}	58, 80.077, 304.748
Yxy	25.9610, 0.2286, 0.1610
Android (android.graphics.Color)	4288050175 (0xFF9673FF)
YUV	141.4250, 55.9925, 7.5203
Hunter-Lab	50.9519, 39.9503, -78.8703

Details

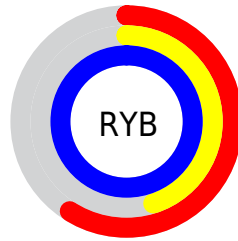
The CIELCh color **58, 80.077, 304.748** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 69.536, 116.618**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 48.936, 309.832**, and **38, 79.472, 304.783** is the 20% darker color. If you saturate the color by 10%, you get **51, 94.783, 305.860**, and if you desaturate by 10%, it is **65, 64.256, 303.689**.

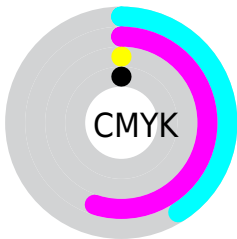
Distribution



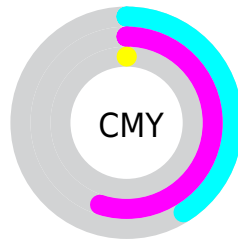
- Red (59%)
- Green (45%)
- Blue (100%)



- Red (59%)
- Yellow (45%)
- Blue (100%)



- Cyan (41%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.077, 304.748 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, 80.077, 304.748 by changing the saturation by 10% instead.


 58, 80.077,
304.748

 58, 80.077,
304.748


 100, 80.077,
304.748


 48, 80.077,
304.748

 78, 80.077,
304.748

 38, 80.077,
304.748

 88, 80.077,
304.748

 28, 80.077,
304.748

 98, 80.077,
304.748

 18, 80.077,
304.748

 8, 80.077, 304.748

 0, 80.077, 304.748

■ 58, 80.077,
304.748

■ 58, 80.077,
304.748

■ 51, 94.783,
305.860

■ 65, 64.256,
303.689

■ 45, 108.955,
306.830

■ 73, 49.146,
302.675

■ 39, 120.781,
307.500

■ 81, 34.469,
301.759

■ 36, 128.652,
307.659

■ 88, 20.296,
300.948

■ 35, 131.178,
307.586

■ 96, 6.637, 300.237

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, 80.077, 304.748



95, 69.536, 116.618

Rectangle

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



58, 80.077, 304.748



58, 80.077, 354.748



58, 80.077, 124.748



58, 80.077, 174.748

Sweetspot

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



58, 79.609, 304.772



88, 21.704, 301.025



83, 33.667, 231.527



45, 14.710, 301.186



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, 79.609, 304.772



50, 96.279, 305.966



65, 81.597, 319.541



49, 7.621, 300.546



25, 105.456, 307.721



4, 44.659, 306.589

Inverse Universe

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



68, 71.303, 336.432



64, 82.065, 337.448



91, 79.266, 134.256



50, 7.605, 332.949



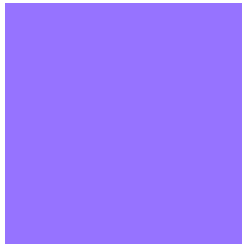
43, 76.827, 341.427



11, 36.112, 339.453

Previews

White Background



This preview shows how the CIELCh color 58, 80.077, 304.748 looks on a white background.

Color Contrast Check

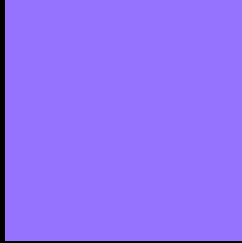
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.077, 304.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

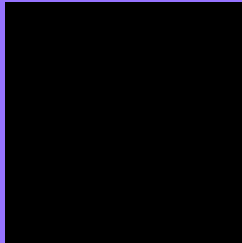
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 80.077, 304.748

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.077, 304.748.

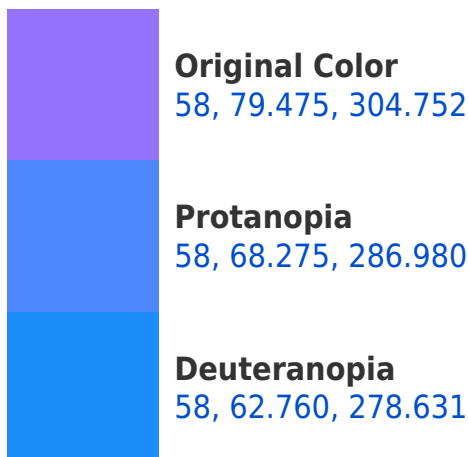


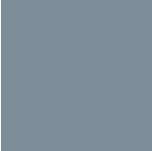
This preview shows how white text looks on a background with the CIELCh color 58, 80.077, 304.748.

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, 8.865, 249.645

Trichromacy



Original Color
58, 79.475, 304.752

Protanomaly
58, 71.902, 293.307

Deuteranomaly
57, 68.589, 287.217

Tritanomaly
57, 33.741, 295.649

Monochromacy



Original Color
58, 79.475, 304.752

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 29.535, 302.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.077, 304.748 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(150, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 115, 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(150, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 115, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.077, 304.748 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(150, 115, 255) }
```

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

```
.border{ border-color:rgb(150, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 115,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.077, 304.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 115, 255) }
```

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

```
.background{ background-color: rgb(150,  
115, 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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