

Converting Colors

CIELCh(58, 67.290, 303.524)

Have a look what the booklet for
CIELCh(58, 67.290, 303.524)
contains.

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Color

CIELCh(58, 67.363, 303.546)

Conversions

Conversions Part 1

Format	Color
Hex	9378EE
RGB	147, 120, 238
RGB Percent	58%, 47%, 93%
CMY	0.4219, 0.5280, 0.0650
CMYK	0.38, 0.50, 0.00, 0.07
HSL	254°, 78%, 70%
HSV	254°, 50%, 93%
XYZ	34.3618, 25.9610, 84.4123
YIQ	141.5250, -21.7860, 42.4220

Conversions

Conversions Part 2

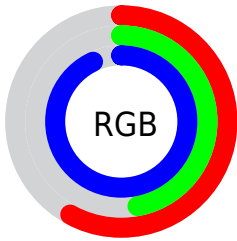
Format	Color
RYB	147, 120, 238
Decimal	9664750
CIELab	58.00, 37.23, -56.14
CIELCh	58, 67.363, 303.546
Yxy	25.9610, 0.2374, 0.1794
Android (android.graphics.Color)	4287854830 (0xFF9378EE)
YUV	141.5250, 47.5622, 4.8016
Hunter-Lab	50.9519, 31.2140, -62.5597

Details

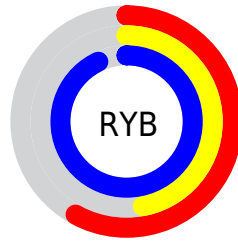
The CIELCh color **58, 67.363, 303.546** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **90, 59.704, 115.959**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 45.545, 307.039**, and **38, 66.994, 303.372** is the 20% darker color. If you saturate the color by 10%, you get **51, 81.956, 304.711**, and if you desaturate by 10%, it is **65, 52.893, 302.440**.

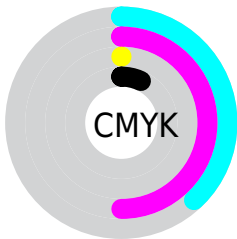
Distribution



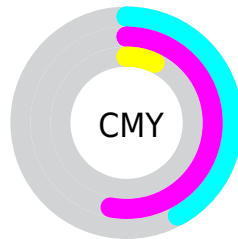
- Red (58%)
- Green (47%)
- Blue (93%)



- Red (58%)
- Yellow (47%)
- Blue (93%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (53%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 67.363, 303.546 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, 67.363, 303.546 by changing the saturation by 10% instead.

 58, 67.363,
303.546

 58, 67.363,
303.546

 100, 67.363,
303.546

 48, 67.363,
303.546


 78, 67.363,
303.546

 38, 67.363,
303.546

 88, 67.363,
303.546

 28, 67.363,
303.546

 98, 67.363,
303.546

 18, 67.363,
303.546

 8, 67.363, 303.546

 0, 67.363, 303.546

■ 58, 67.363,
303.546

■ 58, 67.363,
303.546

■ 51, 81.956,
304.711

■ 65, 52.893,
302.440

■ 45, 96.141,
305.846

■ 73, 38.798,
301.433

■ 39, 108.923,
306.798

■ 80, 25.174,
300.539

■ 35, 118.817,
307.356

■ 87, 12.047,
299.756

■ 32, 124.748,
307.402

■ 95, 0.594, 119.122

■ 32, 124.995,
307.405

■ 100, 8.393,
109.540

Harmonies

Complementary

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



58, 67.363, 303.546



90, 59.704, 115.959

Rectangle

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



58, 67.363, 303.546



58, 67.363, 353.546



58, 67.363, 123.546



58, 67.363, 173.546

Sweetspot

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



58, 67.362, 303.546



88, 20.266, 300.176



81, 29.618, 225.380



45, 13.882, 300.345



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, 67.362, 303.546



55, 85.779, 304.676



64, 69.775, 318.329



46, 7.227, 299.753



23, 102.583, 307.526



3, 38.498, 304.103

Inverse Universe

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



67, 62.566, 335.040



67, 76.578, 335.831



87, 67.510, 133.672



47, 7.339, 332.144



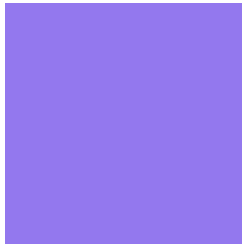
41, 75.701, 339.974



9, 33.825, 337.985

Previews

White Background



This preview shows how the CIELCh color 58, 67.363, 303.546 looks on a white background.

Color Contrast Check

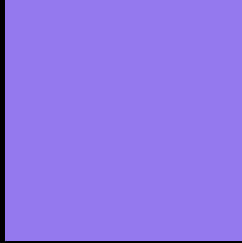
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.363, 303.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

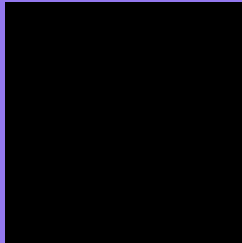
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 67.363, 303.546

Background



This preview shows how black text looks on a background with the CIELCh color 58, 67.363, 303.546.

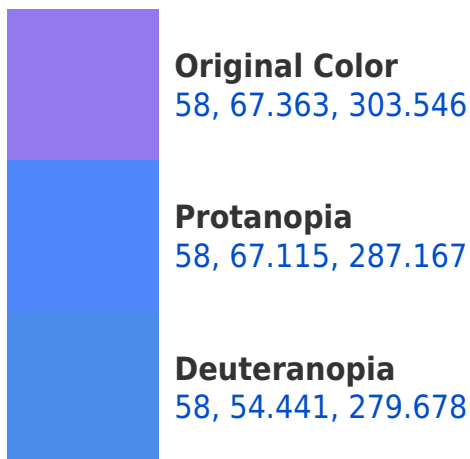


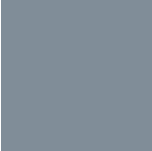
This preview shows how white text looks on a background with the CIELCh color 58, 67.363, 303.546.

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, 7.783, 252.839

Trichromacy



Original Color
58, 67.363, 303.546



Protanomaly
58, 66.869, 292.111



Deuteranomaly
58, 58.617, 288.632



Tritanomaly
57, 28.560, 294.764

Monochromacy



Original Color
58, 67.363, 303.546



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 24.812, 301.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 67.363, 303.546 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(147, 120, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 120, 238)  
}
```

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(147, 120, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 120, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 67.363, 303.546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

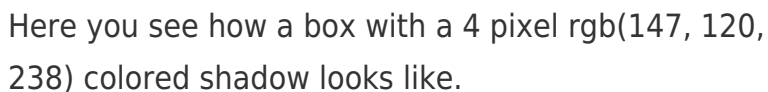
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 120, 238) }
```

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

```
.border{ border-color:rgb(147, 120, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 120, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 120, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 120, 238); box-shadow:4px 4px 4px 4px rgb(147, 120, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 67.363, 303.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 120, 238) }
```

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

```
.background{ background-color: rgb(147,  
120, 238) }
```

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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