

Converting Colors

CIELCh(58, 69.597, 309.943)

Have a look what the booklet for
CIELCh(58, 69.597, 309.943)
contains.

CIELCh(58, 69.980, 309.837)	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, 69.980, 309.837)

Conversions

Conversions Part 1

Format	Color
Hex	A671EA
RGB	166, 113, 234
RGB Percent	65%, 44%, 92%
CMY	0.3479, 0.5559, 0.0812
CMYK	0.29, 0.52, 0.00, 0.08
HSL	266°, 74%, 68%
HSV	266°, 52%, 92%
XYZ	36.6099, 25.9610, 81.1372
YIQ	142.6410, -7.2530, 48.8670

Conversions

Conversions Part 2

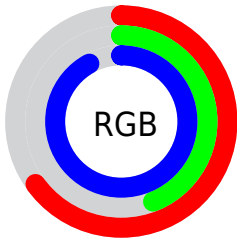
Format	Color
R _Y B	166, 113, 234
Decimal	10908138
CIE Lab	58.00, 44.83, -53.74
CIE LCh	58, 69.980, 309.837
Yxy	25.9610, 0.2548, 0.1807
Android (android.graphics.Color)	4289098218 (0xFFA671EA)
YUV	142.6410, 45.0400, 20.4858
Hunter-Lab	50.9519, 39.0898, -58.7486

Details

The CIELCh color $58, 69.980, 309.837$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $87, 63.957, 124.419$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $76, 51.518, 315.709$, and $38, 70.036, 309.706$ is the 20% darker color. If you saturate the color by 10%, you get $52, 83.602, 310.415$, and if you desaturate by 10%, it is $64, 56.009, 309.210$.

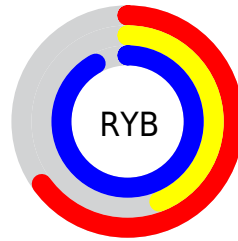
Distribution



Red (65%)

Green (44%)

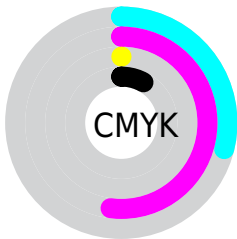
Blue (92%)



Red (65%)

Yellow (44%)

Blue (92%)

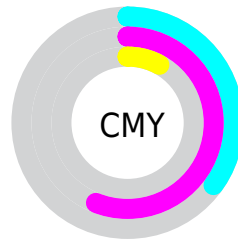


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (35%)


Magenta (56%)


Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 69.980, 309.837 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, 69.980, 309.837 by changing the saturation by 10% instead.

 58, 69.980,
309.837

 58, 69.980,
309.837

 100, 69.980,
309.837


 48, 69.980,
309.837


 78, 69.980,
309.837

 38, 69.980,
309.837

 88, 69.980,
309.837

 28, 69.980,
309.837

 98, 69.980,
309.837

 18, 69.980,
309.837

 8, 69.980, 309.837

 0, 69.980, 309.837

58, 69.980,
309.837

58, 69.980,
309.837

52, 83.602,
310.415

64, 56.009,
309.210

46, 96.244,
310.861

71, 42.074,
308.584

41, 106.982,
311.058

78, 28.386,
307.990

38, 114.745,
310.870

85, 15.051,
307.440

36, 118.800,
310.417

92, 2.116, 306.903

99, 10.406,
126.527

100, 10.486,
109.384

Harmonies

Complementary

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



58, 69.980, 309.837



87, 63.957, 124.419

Rectangle

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



58, 69.980, 309.837



58, 69.980, 359.837



58, 69.980, 129.837



58, 69.980, 179.837

Sweetspot

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



58, 69.979, 309.837



89, 20.851, 307.622



71, 33.643, 257.473



46, 14.271, 307.738



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, 69.979, 309.837



56, 90.021, 310.448



65, 73.818, 325.098



45, 7.318, 307.326



27, 97.755, 310.599



4, 37.356, 309.547

Inverse Universe

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



64, 56.169, 345.611



64, 70.070, 347.212



84, 73.765, 138.815



46, 6.217, 341.169



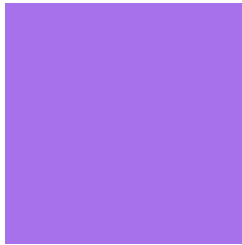
39, 66.583, 356.202



8, 29.297, 350.660

Previews

White Background



This preview shows how the CIELCh color 58, 69.980, 309.837 looks on a white background.

Color Contrast Check

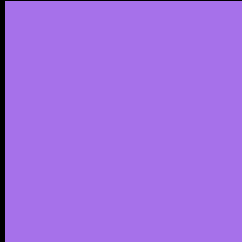
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.980, 309.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

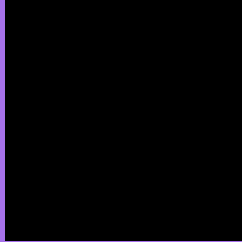
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 69.980, 309.837

Background



This preview shows how black text looks on a background with the CIELCh color 58, 69.980, 309.837.

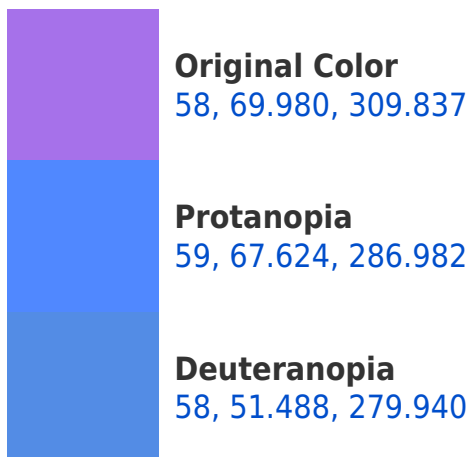


This preview shows how white text looks on a background with the CIELCh color 58, 69.980, 309.837.

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, 8.587, 333.586

Trichromacy



Original Color
58, 69.980, 309.837

Protanomaly
58, 67.436, 293.791

Deuteranomaly
57, 57.414, 291.922

Tritanomaly
58, 30.958, 312.704

Monochromacy



Original Color
58, 69.980, 309.837

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 26.051, 307.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 69.980, 309.837 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(166, 113, 234)` looks like.

```
.text, #text, p{  
    color:rgb(166, 113, 234)  
}
```

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(166, 113, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 113, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 69.980, 309.837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

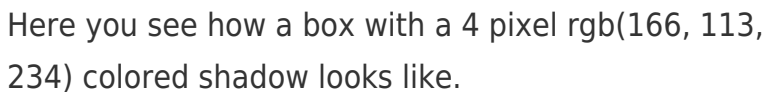
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 113, 234) }
```

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

```
.border{ border-color:rgb(166, 113, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 113, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 113, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 113, 234);  
box-shadow:4px 4px 4px 4px rgb(166, 113,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 69.980, 309.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 113, 234) }
```

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

```
.background{ background-color: rgb(166,  
113, 234) }
```

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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