

Converting Colors

CIELCh(58, 72.776, 313.944)

Have a look what the booklet for
CIELCh(58, 72.776, 313.944)
contains.

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Color

CIELCh(58, 73.044, 314.125)

Conversions

Conversions Part 1

Format	Color
Hex	B36BE8
RGB	179, 107, 232
RGB Percent	70%, 42%, 91%
CMY	0.2976, 0.5800, 0.0898
CMYK	0.23, 0.54, 0.00, 0.09
HSL	275°, 73%, 67%
HSV	275°, 54%, 91%
XYZ	38.4593, 25.9610, 79.4006
YIQ	142.7780, 2.7870, 54.1390

Conversions

Conversions Part 2

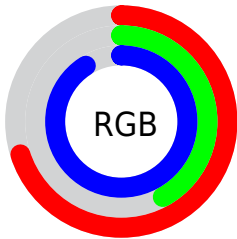
Format	Color
RYB	179, 107, 232
Decimal	11758568
CIELab	58.00, 50.86, -52.43
CIELCh	58, 73.044, 314.125
Yxy	25.9610, 0.2674, 0.1805
Android (android.graphics.Color)	4289948648 (0xFFB36BE8)
YUV	142.7780, 43.9864, 31.7667
Hunter-Lab	50.9519, 45.5688, -56.7279

Details

The CIELCh color **58, 73.044, 314.125** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **85, 68.497, 129.200**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 56.084, 320.708**, and **38, 73.338, 314.133** is the 20% darker color. If you saturate the color by 10%, you get **53, 85.819, 314.457**, and if you desaturate by 10%, it is **64, 59.502, 313.696**.

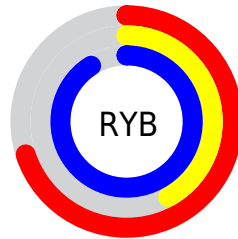
Distribution



Red (70%)

Green (42%)

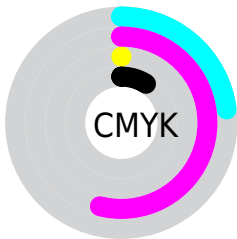
Blue (91%)



Red (70%)

Yellow (42%)

Blue (91%)

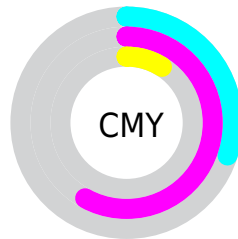


Cyan (23%)

Magenta (54%)

Yellow (0%)

Black (9%)



Cyan (30%)


Magenta (58%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 73.044, 314.125 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, 73.044, 314.125 by changing the saturation by 10% instead.


 58, 73.044,
314.125


 58, 73.044,
314.125


 100, 73.044,
314.125


 48, 73.044,
314.125


 78, 73.044,
314.125

 38, 73.044,
314.125

 88, 73.044,
314.125

 28, 73.044,
314.125

 98, 73.044,
314.125

 18, 73.044,
314.125

 8, 73.044, 314.125

 0, 73.044, 314.125

58, 73.044,
314.125

58, 73.044,
314.125

53, 85.819,
314.457

64, 59.502,
313.696

48, 97.141,
314.615

70, 45.681,
313.222

44, 106.163,
314.506

76, 31.888,
312.740

41, 112.126,
314.037

83, 18.306,
312.270

39, 114.481,
313.603

89, 5.036, 311.809

96, 7.871, 131.458

99, 11.896,
121.541

99, 11.592,
109.301

Harmonies

Complementary

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



58, 73.044, 314.125



85, 68.497, 129.200

Rectangle

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



58, 73.044, 314.125



58, 73.044, 4.125



58, 73.044, 134.125



58, 73.044, 184.125

Sweetspot

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



58, 73.043, 314.125



89, 22.872, 312.373



65, 41.185, 273.011



46, 15.481, 312.469



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, 73.043, 314.125



57, 94.062, 314.493



64, 73.462, 329.282



46, 7.527, 312.070



30, 94.917, 313.781



5, 38.045, 314.179

Inverse Universe

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



62, 54.095, 354.676



62, 68.469, 357.158



83, 74.140, 141.590



46, 5.674, 348.762



38, 65.362, 9.260



8, 28.062, 1.099

Previews

White Background



This preview shows how the CIELCh color 58, 73.044, 314.125 looks on a white background.

Color Contrast Check

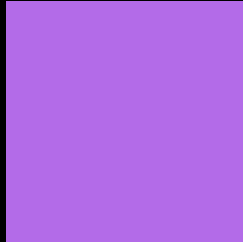
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.044, 314.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

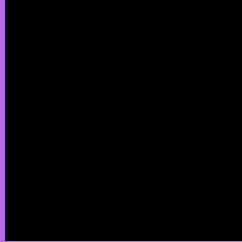
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 73.044, 314.125

Background



This preview shows how black text looks on a background with the CIELCh color 58, 73.044, 314.125.

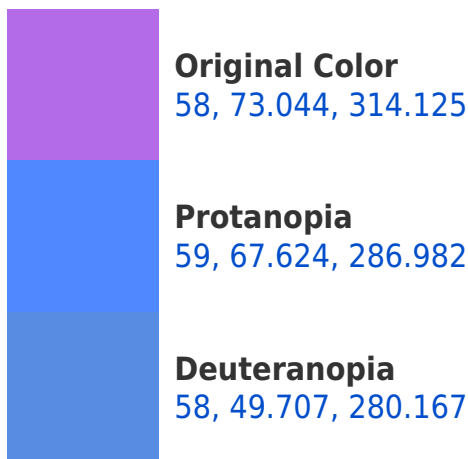


This preview shows how white text looks on a background with the CIELCh color 58, 73.044, 314.125.

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, 14.892, 356.398

Trichromacy



Original Color
58, 73.044, 314.125



Protanomaly
57, 69.203, 295.681



Deuteranomaly
57, 56.867, 294.435



Tritanomaly
57, 34.122, 323.247

Monochromacy



Original Color
58, 73.044, 314.125



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 27.367, 312.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 73.044, 314.125 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(179, 107, 232)` looks like.

```
.text, #text, p{  
    color:rgb(179, 107, 232)  
}
```

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(179, 107, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 107, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 73.044, 314.125 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(179, 107, 232) }
```

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

```
.border{ border-color:rgb(179, 107, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 107, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 107, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 107, 232);  
box-shadow:4px 4px 4px 4px rgb(179, 107,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 73.044, 314.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 107, 232) }
```

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

```
.background{ background-color: rgb(179,  
107, 232) }
```

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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