

Converting Colors

CIELCh(58, 73.273, 317.976)

Have a look what the booklet for
CIELCh(58, 73.273, 317.976)
contains.

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Color

CIELCh(58, 72.952, 317.937)

Conversions

Conversions Part 1

Format	Color
Hex	BD67E2
RGB	189, 103, 226
RGB Percent	74%, 40%, 89%
CMY	0.2593, 0.5966, 0.1142
CMYK	0.16, 0.54, 0.00, 0.11
HSL	282°, 68%, 64%
HSV	282°, 54%, 89%
XYZ	39.4997, 25.9610, 74.7843
YIQ	142.7360, 11.7730, 56.4850

Conversions

Conversions Part 2

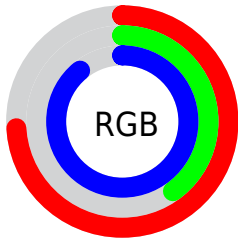
Format	Color
R _Y B	189, 103, 226
Decimal	12412898
CIE Lab	58.00, 54.16, -48.87
CIE LCh	58, 72.952, 317.937
Yxy	25.9610, 0.2816, 0.1851
Android (android.graphics.Color)	4290602978 (0xFFBD67E2)
YUV	142.7360, 41.0492, 40.5735
Hunter-Lab	50.9519, 49.2136, -51.3561

Details

The CIELCh color **58, 72.952, 317.937** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **82, 70.182, 132.924**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 59.803, 324.108**, and **38, 72.820, 317.995** is the 20% darker color. If you saturate the color by 10%, you get **53, 84.865, 318.169**, and if you desaturate by 10%, it is **63, 59.981, 317.594**.

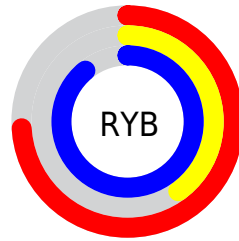
Distribution



Red (74%)

Green (40%)

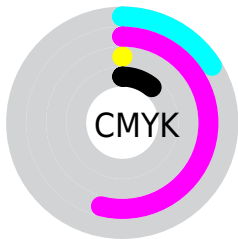
Blue (89%)



Red (74%)

Yellow (40%)

Blue (89%)

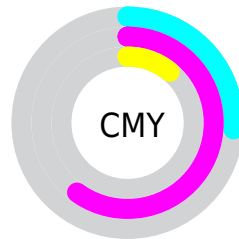


Cyan (16%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (26%)


Magenta (60%)


Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 72.952, 317.937 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, 72.952, 317.937 by changing the saturation by 10% instead.

 58, 72.952,
317.937

 58, 72.952,
317.937

 100, 72.952,
317.937


 48, 72.952,
317.937


 78, 72.952,
317.937

 38, 72.952,
317.937

 88, 72.952,
317.937

 28, 72.952,
317.937

 98, 72.952,
317.937

 18, 72.952,
317.937

 8, 72.952, 317.937

 0, 72.952, 317.937

58, 72.952,
317.937

58, 72.952,
317.937

53, 84.865,
318.169

63, 59.981,
317.594

49, 95.059,
318.229

69, 46.481,
317.187

46, 102.826,
318.051

75, 32.816,
316.751

43, 107.653,
317.575

81, 19.227,
316.308


42, 109.353,
317.214

87, 5.863, 315.858

93, 7.193, 135.514

98, 16.283,
133.237

98, 15.401,
125.091

 99, 14.872,
116.045

Harmonies

Complementary

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



58, 72.952, 317.937



82, 70.182, 132.924

Rectangle

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



58, 72.952, 317.937



58, 72.952, 7.937



58, 72.952, 137.937



58, 72.952, 187.937

Sweetspot

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



58, 72.950, 317.937



89, 23.527, 316.382



60, 48.036, 282.754



46, 15.915, 316.473



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, 72.950, 317.937



59, 94.212, 318.184



62, 67.081, 333.533



44, 7.477, 316.087



33, 90.651, 317.371



5, 34.844, 317.761

Inverse Universe

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



60, 51.555, 3.642



62, 66.837, 6.534



81, 67.572, 144.914



44, 5.102, 356.742



37, 66.279, 20.812



6, 25.360, 7.652

Previews

White Background



This preview shows how the CIELCh color 58, 72.952, 317.937 looks on a white background.

Color Contrast Check

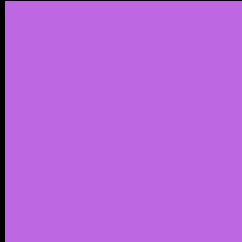
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.952, 317.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

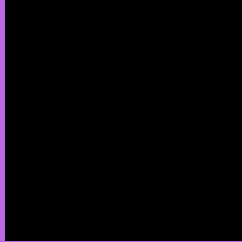
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 72.952, 317.937

Background



This preview shows how black text looks on a background with the CIELCh color 58, 72.952, 317.937.

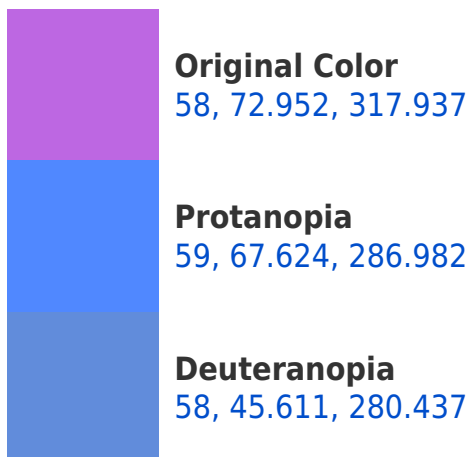


This preview shows how white text looks on a background with the CIELCh color 58, 72.952, 317.937.

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, 20.603, 5.950

Trichromacy



Original Color
58, 72.952, 317.937



Protanomaly
57, 68.136, 296.580



Deuteranomaly
57, 53.564, 296.934



Tritanomaly
58, 36.654, 331.901

Monochromacy



Original Color
58, 72.952, 317.937



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 28.201, 317.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 72.952, 317.937 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(189, 103, 226)` looks like.

```
.text, #text, p{  
    color:rgb(189, 103, 226)  
}
```

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(189, 103, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 103, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 72.952, 317.937 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(189, 103, 226) }
```

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

```
.border{ border-color:rgb(189, 103, 226) }
```

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

Here you see how a box with a 4 pixel rgb(189, 103, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 103, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 103, 226);  
box-shadow:4px 4px 4px 4px rgb(189, 103,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 72.952, 317.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 103, 226) }
```

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

```
.background{ background-color: rgb(189,  
103, 226) }
```

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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