

Converting Colors

CIELCh(58, 80.849, 318.619)

Have a look what the booklet for
CIELCh(58, 80.849, 318.619)
contains.

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Color

CIELCh(58, 80.880, 318.625)

Conversions

Conversions Part 1

Format	Color
Hex	C360EA
RGB	195, 96, 234
RGB Percent	76%, 38%, 92%
CMY	0.2347, 0.6230, 0.0818
CMYK	0.17, 0.59, 0.00, 0.08
HSL	283°, 77%, 65%
HSV	283°, 59%, 92%
XYZ	41.6107, 25.9610, 80.7684
YIQ	141.3330, 14.7060, 63.9060

Conversions

Conversions Part 2

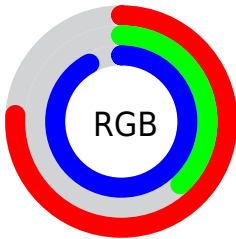
Format	Color
R _Y B	195, 96, 234
Decimal	12804330
CIE Lab	58.00, 60.69, -53.46
CIE LCh	58, 80.880, 318.625
Yxy	25.9610, 0.2805, 0.1750
Android (android.graphics.Color)	4290994410 (0xFFC360EA)
YUV	141.3330, 45.6848, 47.0660
Hunter-Lab	50.9519, 56.6092, -58.3195

Details

The CIELCh color **58, 80.880, 318.625** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **84, 77.964, 133.199**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 64.319, 326.351**, and **38, 80.821, 318.769** is the 20% darker color. If you saturate the color by 10%, you get **53, 92.321, 318.781**, and if you desaturate by 10%, it is **63, 68.003, 318.332**.

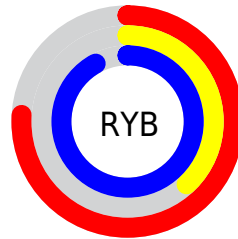
Distribution



Red (76%)

Green (38%)

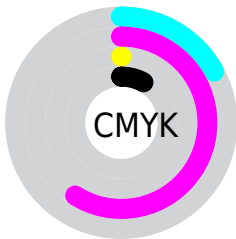
Blue (92%)



Red (76%)

Yellow (38%)

Blue (92%)

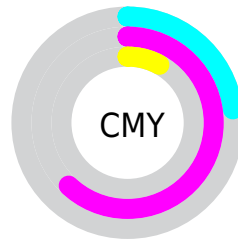


Cyan (17%)

Magenta (59%)

Yellow (0%)

Black (8%)



Cyan (23%)


Magenta (62%)


Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.880, 318.625 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, 80.880, 318.625 by changing the saturation by 10% instead.


 58, 80.880,
318.625


 58, 80.880,
318.625


 100, 80.880,
318.625

 48, 80.880,
318.625


 78, 80.880,
318.625

 38, 80.880,
318.625

 88, 80.880,
318.625

 28, 80.880,
318.625

 98, 80.880,
318.625

 18, 80.880,
318.625

 8, 80.880, 318.625

 0, 80.880, 318.625

58, 80.880,
318.625

58, 80.880,
318.625

53, 92.321,
318.781

63, 68.003,
318.332

50, 101.614,
318.739

69, 54.312,
317.953

47, 108.105,
318.435

75, 40.264,
317.529

45, 111.679,
317.850

81, 26.172,
317.087


45, 111.992,
317.783

87, 12.237,
316.643

93, 1.422, 136.387

99, 11.678,
133.772

99, 10.877,
122.555

 99, 10.558,
109.975

Harmonies

Complementary

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



58, 80.880, 318.625



84, 77.964, 133.199

Rectangle

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



58, 80.880, 318.625



58, 80.880, 8.625



58, 80.880, 138.625



58, 80.880, 188.625

Sweetspot

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



58, 80.878, 318.625



88, 26.636, 317.049



58, 56.431, 286.301



45, 18.553, 317.179



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, 80.878, 318.625



57, 101.084, 318.792



62, 72.059, 335.262



46, 7.792, 316.666



34, 92.296, 317.934



6, 38.534, 318.933

Inverse Universe

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



60, 57.063, 6.162



60, 71.895, 9.952



83, 72.816, 145.348



46, 5.246, 358.026



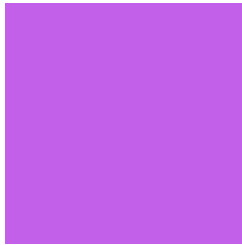
38, 68.362, 22.576



7, 27.804, 10.353

Previews

White Background



This preview shows how the CIELCh color 58, 80.880, 318.625 looks on a white background.

Color Contrast Check

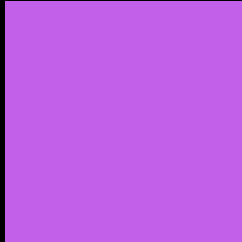
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.880, 318.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

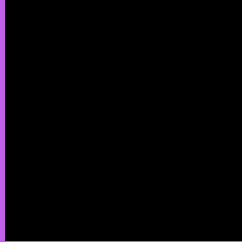
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 80.880, 318.625

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.880, 318.625.

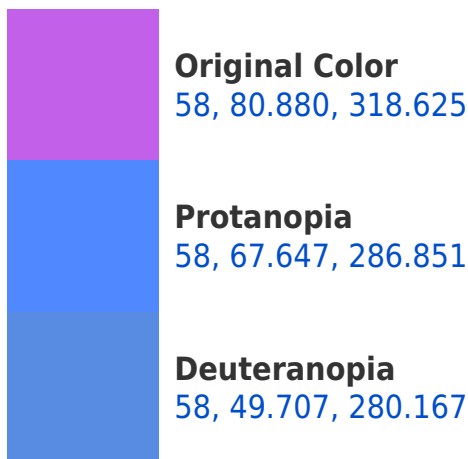


This preview shows how white text looks on a background with the CIELCh color 58, 80.880, 318.625.

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, 23.406, 9.685

Trichromacy



Original Color
58, 80.880, 318.625



Protanomaly
57, 70.996, 297.506



Deuteranomaly
57, 59.858, 297.453



Tritanomaly
57, 40.887, 333.893

Monochromacy



Original Color
58, 80.880, 318.625



Achromatopsia
59, 0.008, 296.813



Achromatomaly
57, 31.376, 317.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.880, 318.625 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(195, 96, 234)` looks like.

```
.text, #text, p{  
    color:rgb(195, 96, 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(195, 96, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 96, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.880, 318.625 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(195, 96, 234) }
```

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

```
.border{ border-color:rgb(195, 96, 234) }
```

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

Here you see how a box with a 4 pixel rgb(195, 96, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 96, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 96, 234);  
box-shadow:4px 4px 4px 4px rgb(195, 96,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.880, 318.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 96, 234) }
```

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

```
.background{ background-color: rgb(195, 96,  
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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