

Converting Colors

CIELCh(58, 64.772, 325.272)

Have a look what the booklet for
CIELCh(58, 64.772, 325.272)
contains.

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Color

CIELCh(58, 64.759, 325.285)

Conversions

Conversions Part 1

Format	Color
Hex	C766CD
RGB	199, 102, 205
RGB Percent	78%, 40%, 80%
CMY	0.2206, 0.6009, 0.1970
CMYK	0.03, 0.50, 0.00, 0.20
HSL	297°, 51%, 60%
HSV	297°, 50%, 80%
XYZ	39.2055, 25.9610, 60.5479
YIQ	142.7450, 24.7490, 52.5970

Conversions

Conversions Part 2

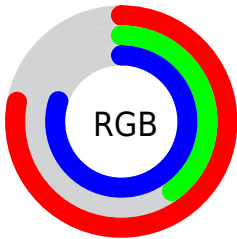
Format	Color
R_{YB}	199, 102, 205
Decimal	13067981
CIE _{Lab}	58.00, 53.23, -36.88
CIE _{LCh}	58, 64.759, 325.285
Yxy	25.9610, 0.3119, 0.2065
Android (android.graphics.Color)	4291258061 (0xFFC766CD)
YUV	142.7450, 30.6917, 49.3356
Hunter-Lab	50.9519, 48.1830, -34.7900

Details

The CIELCh color $58, 64.759, 325.285$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $75, 64.734, 139.160$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $77, 61.517, 326.536$, and $38, 64.655, 325.474$ is the 20% darker color. If you saturate the color by 10%, you get $54, 75.626, 325.634$, and if you desaturate by 10%, it is $62, 52.677, 324.864$.

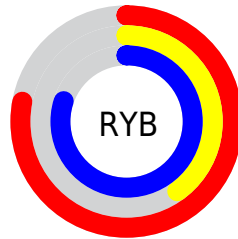
Distribution



Red (78%)

Green (40%)

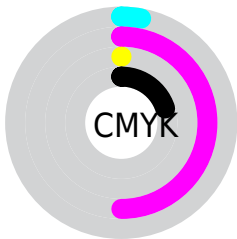
Blue (80%)



Red (78%)

Yellow (40%)

Blue (80%)

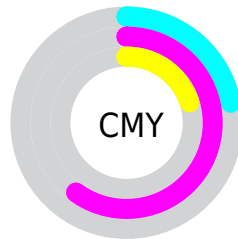


Cyan (3%)

Magenta (50%)

Yellow (0%)

Black (20%)



Cyan (22%)

Magenta (60%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 64.759, 325.285 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, 64.759, 325.285 by changing the saturation by 10% instead.

 58, 64.759,
325.285

 58, 64.759,
325.285

 100, 64.759,
325.285

 48, 64.759,
325.285


 78, 64.759,
325.285

 38, 64.759,
325.285

 88, 64.759,
325.285

 28, 64.759,
325.285

 98, 64.759,
325.285

 18, 64.759,
325.285

 8, 64.759, 325.285

 0, 64.759, 325.285

58, 64.759,
325.285

58, 64.759,
325.285

54, 75.626,
325.634

62, 52.677,
324.864

51, 84.755,
325.888

67, 39.866,
324.394

49, 91.660,
326.025

72, 26.709,
323.894

47, 96.058,
326.033

77, 13.487,
323.377


47, 98.268,
325.934

82, 0.394, 322.256

88, 12.449,
142.413

93, 24.967,
141.926

96, 30.768,
141.383

 96, 30.532,
140.758

Harmonies

Complementary

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



58, 64.759, 325.285



75, 64.734, 139.160

Rectangle

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



58, 64.759, 325.285



58, 64.759, 15.285



58, 64.759, 145.285



58, 64.759, 195.285

Sweetspot

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



58, 64.757, 325.285



91, 23.543, 323.632



50, 56.117, 295.031



47, 16.077, 323.742



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, 64.757, 325.285



67, 89.786, 325.648



57, 49.325, 345.100



40, 7.404, 323.329



38, 83.977, 325.968



5, 28.460, 325.264

Inverse Universe

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



56, 44.218, 20.954



63, 64.221, 23.585



75, 47.682, 155.099



40, 4.376, 15.207



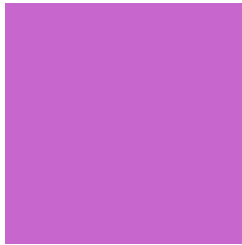
34, 73.211, 37.417



4, 17.945, 16.532

Previews

White Background



This preview shows how the CIELCh color 58, 64.759, 325.285 looks on a white background.

Color Contrast Check

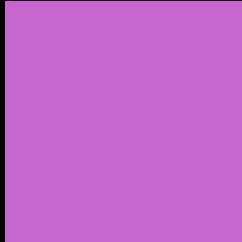
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.759, 325.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

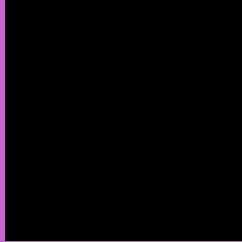
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 64.759, 325.285

Background



This preview shows how black text looks on a background with the CIELCh color 58, 64.759, 325.285.

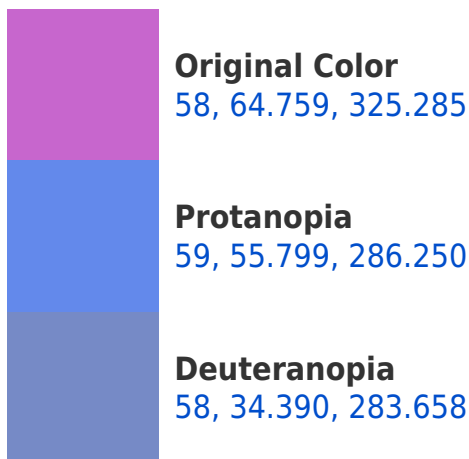


This preview shows how white text looks on a background with the CIELCh color 58, 64.759, 325.285.

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, 28.886, 12.849

Trichromacy



Original Color
58, 64.759, 325.285



Protanomaly
57, 57.120, 299.499



Deuteranomaly
57, 43.524, 304.245

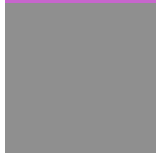


Tritanomaly
58, 38.809, 344.915

Monochromacy



Original Color
58, 64.759, 325.285



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 24.792, 324.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 64.759, 325.285 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(199, 102, 205)` looks like.

```
.text, #text, p{  
    color:rgb(199, 102, 205)  
}
```

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(199, 102, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 102, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 64.759, 325.285 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(199, 102, 205) }
```

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

```
.border{ border-color:rgb(199, 102, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 102, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 102, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 102, 205);  
box-shadow:4px 4px 4px 4px rgb(199, 102,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 64.759, 325.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 102, 205) }
```

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

```
.background{ background-color: rgb(199,  
102, 205) }
```

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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