

Converting Colors

CIELCh(58, 85.459, 321.791)

Have a look what the booklet for
CIELCh(58, 85.459, 321.791)
contains.

CIELCh(58, 85.541, 321.952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 85.541, 321.952)

Conversions

Conversions Part 1

Format	Color
Hex	CF57E9
RGB	207, 87, 233
RGB Percent	81%, 34%, 91%
CMY	0.1883, 0.6588, 0.0863
CMYK	0.11, 0.63, 0.00, 0.09
HSL	289°, 77%, 63%
HSV	289°, 63%, 91%
XYZ	43.8429, 25.9610, 79.7825
YIQ	139.5240, 24.6540, 70.8460

Conversions

Conversions Part 2

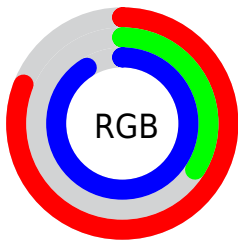
Format	Color
R _Y B	207, 87, 233
Decimal	13588457
CIE Lab	58.00, 67.36, -52.72
CIE LCh	58, 85.541, 321.952
Yxy	25.9610, 0.2931, 0.1736
Android (android.graphics.Color)	4291778537 (0xFFCF57E9)
YUV	139.5240, 46.0837, 59.1765
Hunter-Lab	50.9519, 64.4290, -57.1722

Details

The CIELCh color **58, 85.541, 321.952** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **83, 84.294, 135.545**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 68.506, 326.765**, and **38, 85.790, 321.866** is the 20% darker color. If you saturate the color by 10%, you get **54, 95.623, 322.066**, and if you desaturate by 10%, it is **62, 73.555, 321.699**.

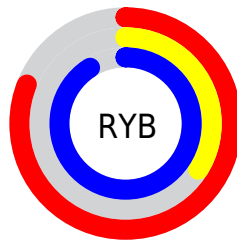
Distribution



Red (81%)

Green (34%)

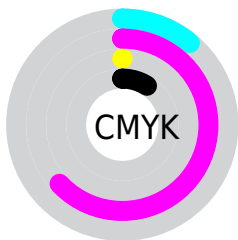
Blue (91%)



Red (81%)

Yellow (34%)

Blue (91%)

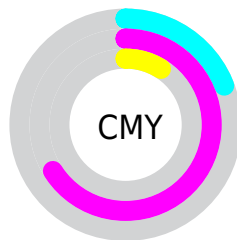


Cyan (11%)

Magenta (63%)

Yellow (0%)

Black (9%)



Cyan (19%)


Magenta (66%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.541, 321.952 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, 85.541, 321.952 by changing the saturation by 10% instead.


 58, 85.541,
321.952


 58, 85.541,
321.952


 100, 85.541,
321.952


 48, 85.541,
321.952


 78, 85.541,
321.952

 38, 85.541,
321.952

 88, 85.541,
321.952

 28, 85.541,
321.952

 98, 85.541,
321.952

 18, 85.541,
321.952

 8, 85.541, 321.952

 0, 85.541, 321.952

58, 85.541,
321.952

58, 85.541,
321.952

54, 95.623,
322.066

62, 73.555,
321.699

51, 103.186,
321.998

68, 60.311,
321.347

49, 107.840,
321.714

73, 46.352,
320.933

48, 109.695,
321.387

79, 32.093,
320.486

85, 17.819,
320.022

91, 3.718, 319.518

97, 10.094,
139.169

98, 12.409,
134.527

■ 99, 11.831,
128.155

Harmonies

Complementary

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



58, 85.541, 321.952



83, 84.294, 135.545

Rectangle

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



58, 85.541, 321.952



58, 85.541, 11.952



58, 85.541, 141.952



58, 85.541, 191.952

Sweetspot

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



58, 85.539, 321.952



88, 28.896, 320.321



52, 68.909, 292.974



45, 19.918, 320.454



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, 85.539, 321.952



58, 104.864, 322.067



60, 70.537, 340.365



46, 8.018, 319.872



37, 90.782, 321.491



7, 38.621, 322.378

Inverse Universe

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



57, 60.449, 15.316



58, 76.795, 19.872



83, 70.786, 148.306



46, 5.032, 5.748



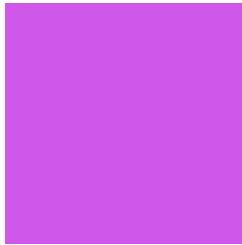
38, 72.851, 30.968



7, 27.950, 15.373

Previews

White Background



This preview shows how the CIELCh color 58, 85.541, 321.952 looks on a white background.

Color Contrast Check

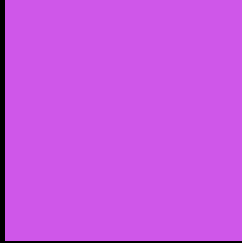
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.541, 321.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

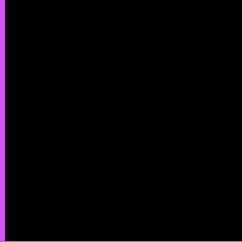
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 85.541, 321.952

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.541, 321.952.

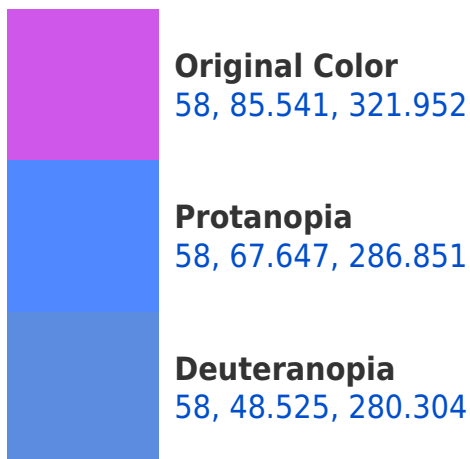


This preview shows how white text looks on a background with the CIELCh color 58, 85.541, 321.952.

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, 31.451, 14.048

Trichromacy



Original Color
58, 85.541, 321.952



Protanomaly
56, 73.426, 299.521



Deuteranomaly
56, 60.639, 299.903



Tritanomaly
57, 46.444, 340.255

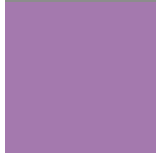
Monochromacy



Original Color
58, 85.541, 321.952



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 34.007, 320.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.541, 321.952 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(207, 87, 233)` looks like.

```
.text, #text, p{  
    color:rgb(207, 87, 233)  
}
```

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(207, 87, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 87, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.541, 321.952 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(207, 87, 233) }
```

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

```
.border{ border-color:rgb(207, 87, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 87, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 87, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 87, 233);  
box-shadow:4px 4px 4px 4px rgb(207, 87,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.541, 321.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 87, 233) }
```

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

```
.background{ background-color: rgb(207, 87,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor