

Converting Colors

CIELCh(50, 66.420, 309.227)

Have a look what the booklet for
CIELCh(50, 66.420, 309.227)
contains.

CIELCh(50, 66.265, 309.154)	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(50, 66.265, 309.154)

Conversions

Conversions Part 1

Format	Color
Hex	8D5FCF
RGB	141, 95, 207
RGB Percent	55%, 37%, 81%
CMY	0.4462, 0.6267, 0.1874
CMYK	0.32, 0.54, 0.00, 0.19
HSL	265°, 54%, 59%
HSV	265°, 54%, 81%
XYZ	26.4223, 18.4187, 61.3380
YIQ	121.5220, -8.5360, 44.5840

Conversions

Conversions Part 2

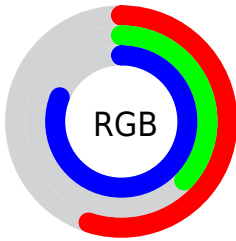
Format	Color
R_{YB}	141, 95, 207
Decimal	9265103
CIE _{Lab}	50.00, 41.84, -51.39
CIE _{LCh}	50, 66.265, 309.154
Yxy	18.4187, 0.2488, 0.1735
Android (android.graphics.Color)	4287455183 (0xFF8D5FCF)
YUV	121.5220, 42.1407, 17.0822
Hunter-Lab	42.9170, 34.7910, -54.6970

Details

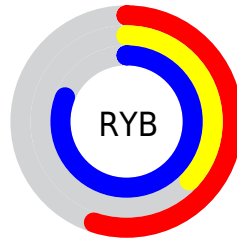
The CIELCh color **50, 66.265, 309.154** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **78, 59.967, 123.305**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 61.250, 310.345**, and **30, 66.378, 309.129** is the 20% darker color. If you saturate the color by 10%, you get **44, 78.578, 309.770**, and if you desaturate by 10%, it is **56, 53.597, 308.485**.

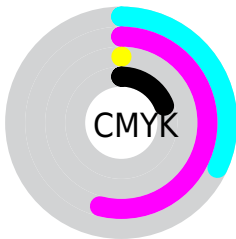
Distribution



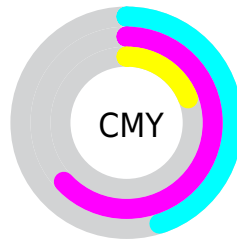
- Red (55%)
- Green (37%)
- Blue (81%)



- Red (55%)
- Yellow (37%)
- Blue (81%)



- Cyan (32%)
- Magenta (54%)
- Yellow (0%)
- Black (19%)





- Cyan (45%)
- Magenta (63%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 66.265, 309.154 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 50, 66.265, 309.154 by changing the saturation by 10% instead.


 50, 66.265,
309.154


 50, 66.265,
309.154


 100, 66.265,
309.154


 40, 66.265,
309.154


 70, 66.265,
309.154

 30, 66.265,
309.154


 80, 66.265,
309.154


 20, 66.265,
309.154

 90, 66.265,
309.154

 10, 66.265,
309.154

 0, 66.265, 309.154

 50, 66.265,
309.154

 50, 66.265,
309.154

44, 78.578,
309.770

56, 53.597,
308.485

39, 89.924,
310.243

62, 40.947,
307.819

35, 99.413,
310.446

68, 28.517,
307.188

32, 106.051,
310.239

74, 16.409,
306.606

31, 108.847,
309.979

81, 4.667, 306.070

87, 6.697, 125.639

93, 17.687,
125.223

98, 24.922,
122.157

99, 24.177,
111.790

Harmonies

Complementary

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



50, 66.265, 309.154



78, 59.967, 123.305

Rectangle

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



50, 66.265, 309.154



50, 66.265, 359.154



50, 66.265, 129.154



50, 66.265, 179.154

Sweetspot

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



50, 66.264, 309.154



88, 22.174, 306.726



64, 30.646, 253.632



45, 15.019, 306.845



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 66.264, 309.154



54, 94.273, 309.865



57, 69.256, 324.145



41, 6.623, 306.354



24, 93.073, 310.137



2, 26.320, 304.254

Inverse Universe

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



56, 53.803, 344.328



63, 73.660, 346.035



75, 68.959, 137.928



41, 5.763, 339.819



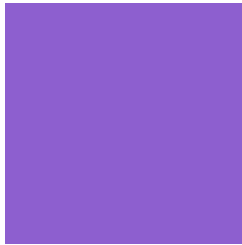
36, 63.798, 353.589



5, 22.885, 348.027

Previews

White Background



This preview shows how the CIELCh color 50, 66.265, 309.154 looks on a white background.

Color Contrast Check

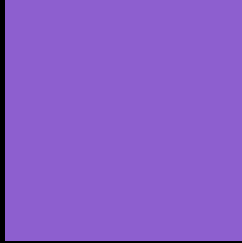
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 66.265, 309.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

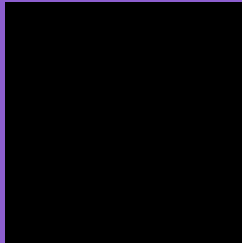
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 66.265, 309.154

Background



This preview shows how black text looks on a background with the CIELCh color 50, 66.265, 309.154.

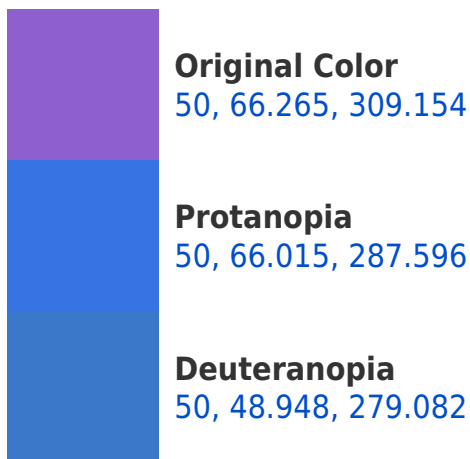


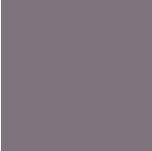
This preview shows how white text looks on a background with the CIELCh color 50, 66.265, 309.154.

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
50, 6.406, 324.791

Trichromacy



Original Color
50, 66.265, 309.154

Protanomaly
49, 65.297, 293.550

Deuteranomaly
49, 54.419, 290.777

Tritanomaly
49, 28.925, 310.156

Monochromacy



Original Color
50, 66.265, 309.154

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 24.901, 307.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 66.265, 309.154 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(141, 95, 207)` looks like.

```
.text, #text, p{  
    color:rgb(141, 95, 207)  
}
```

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(141, 95, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 95, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 66.265, 309.154 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(141, 95, 207) }
```

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

```
.border{ border-color:rgb(141, 95, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 95, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 95, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 95, 207);  
box-shadow:4px 4px 4px 4px rgb(141, 95,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 66.265, 309.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 95, 207) }
```

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

```
.background{ background-color: rgb(141, 95,  
207) }
```

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