

Converting Colors

CIELCh(50, 85.184, 308.756)

Have a look what the booklet for
CIELCh(50, 85.184, 308.756)
contains.

CIELCh(50, 85.117, 308.739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 85.117, 308.739)

Conversions

Conversions Part 1

Format	Color
Hex	8E57EA
RGB	142, 87, 234
RGB Percent	56%, 34%, 92%
CMY	0.4443, 0.6599, 0.0836
CMYK	0.39, 0.63, 0.00, 0.08
HSL	262°, 78%, 63%
HSV	262°, 63%, 92%
XYZ	29.2956, 18.4187, 79.6204
YIQ	120.2030, -14.4070, 57.3770

Conversions

Conversions Part 2

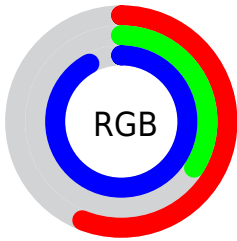
Format	Color
R_{YB}	142, 87, 234
Decimal	9328618
CIE _{Lab}	50.00, 53.26, -66.39
CIE _{LCh}	50, 85.117, 308.739
Yxy	18.4187, 0.2301, 0.1446
Android (android.graphics.Color)	4287518698 (0xFF8E57EA)
YUV	120.2030, 56.1019, 19.1160
Hunter-Lab	42.9170, 46.7413, -79.9541

Details

The CIELCh color **50, 85.117, 308.739** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **86, 74.716, 121.604**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 66.338, 312.476**, and **30, 84.929, 308.675** is the 20% darker color. If you saturate the color by 10%, you get **44, 97.949, 309.329**, and if you desaturate by 10%, it is **56, 71.346, 308.023**.

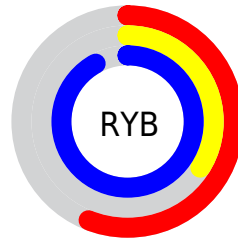
Distribution



Red (56%)

Green (34%)

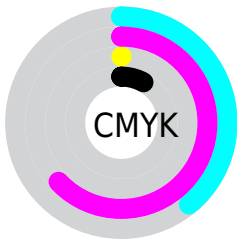
Blue (92%)



Red (56%)

Yellow (34%)

Blue (92%)

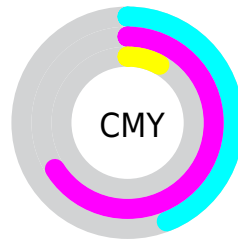


Cyan (39%)

Magenta (63%)

Yellow (0%)

Black (8%)



Cyan (44%)


Magenta (66%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 85.117, 308.739 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, 85.117, 308.739 by changing the saturation by 10% instead.


 50, 85.117,
308.739


 50, 85.117,
308.739


 100, 85.117,
308.739


 40, 85.117,
308.739


 70, 85.117,
308.739


 30, 85.117,
308.739


 80, 85.117,
308.739


 20, 85.117,
308.739

 90, 85.117,
308.739

 10, 85.117,
308.739

 0, 85.117, 308.739

 50, 85.117,
308.739

 50, 85.117,
308.739

44, 97.949,
309.329

56, 71.346,
308.023

39, 108.837,
309.658

63, 57.299,
307.273

36, 116.586,
309.567

70, 43.355,
306.542

34, 120.135,
309.266

77, 29.711,
305.862

84, 16.459,
305.243

91, 3.634, 304.675

98, 8.761, 124.224

99, 10.786,
109.362

Harmonies

Complementary

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



50, 85.117, 308.739



86, 74.716, 121.604

Rectangle

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



50, 85.117, 308.739



50, 85.117, 358.739



50, 85.117, 128.739



50, 85.117, 178.739

Sweetspot

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



50, 85.116, 308.740



86, 26.311, 305.619



70, 37.008, 251.783



44, 18.193, 305.802



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, 85.116, 308.740



47, 107.748, 309.441



59, 86.290, 323.361



45, 7.238, 305.046



25, 99.037, 309.434



4, 37.022, 307.463

Inverse Universe

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



59, 68.477, 343.508



60, 82.251, 345.466



83, 85.761, 136.473



46, 6.503, 338.105



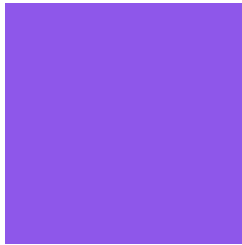
40, 68.431, 350.652



8, 30.209, 346.301

Previews

White Background



This preview shows how the CIELCh color 50, 85.117, 308.739 looks on a white background.

Color Contrast Check

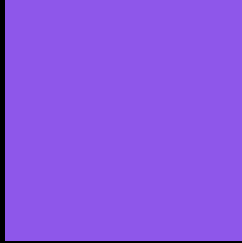
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 85.117, 308.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

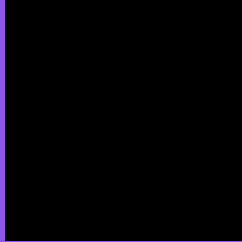
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 85.117, 308.739

Background



This preview shows how black text looks on a background with the CIELCh color 50, 85.117, 308.739.



This preview shows how white text looks on a background with the CIELCh color 50, 85.117, 308.739.

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, 5.273, 290.871

Trichromacy



Original Color
50, 85.117, 308.739



Protanomaly
48, 78.818, 292.566



Deuteranomaly
48, 65.356, 288.127



Tritanomaly
49, 35.448, 305.527

Monochromacy



Original Color
50, 85.117, 308.739



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 32.024, 306.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 85.117, 308.739 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(142, 87, 234)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 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(142, 87, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 85.117, 308.739 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(142, 87, 234) }
```

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

```
.border{ border-color:rgb(142, 87, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 87, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 234);  
box-shadow:4px 4px 4px 4px rgb(142, 87,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 85.117, 308.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 234) }
```

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

```
.background{ background-color: rgb(142, 87,  
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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