

Converting Colors

CIELCh(50, 86.055, 322.038)

Have a look what the booklet for
CIELCh(50, 86.055, 322.038)
contains.

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Color

CIELCh(50, 85.776, 322.086)

Conversions

Conversions Part 1

Format	Color
Hex	B83FD2
RGB	184, 63, 210
RGB Percent	72%, 25%, 82%
CMY	0.2782, 0.7526, 0.1762
CMYK	0.12, 0.70, 0.00, 0.18
HSL	289°, 62%, 54%
HSV	289°, 70%, 82%
XYZ	33.2068, 18.4187, 62.8228
YIQ	115.9370, 24.9290, 71.3690

Conversions

Conversions Part 2

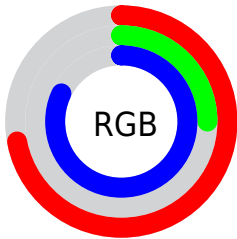
Format	Color
RYB	184, 63, 210
Decimal	12074962
CIELab	50.00, 67.67, -52.71
CIELCh	50, 85.776, 322.086
Yxy	18.4187, 0.2901, 0.1609
Android (android.graphics.Color)	4290265042 (0xFFB83FD2)
YUV	115.9370, 46.3731, 59.6913
Hunter-Lab	42.9170, 63.0091, -56.7481

Details

The CIELCh color **50, 85.776, 322.086** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **75, 84.751, 135.166**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 80.478, 324.471**, and **32, 80.951, 321.476** is the 20% darker color. If you saturate the color by 10%, you get **47, 93.504, 322.081**, and if you desaturate by 10%, it is **54, 75.904, 321.925**.

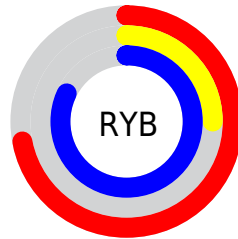
Distribution



Red (72%)

Green (25%)

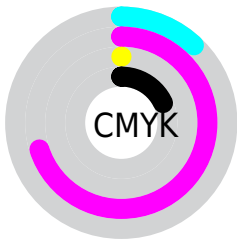
Blue (82%)



Red (72%)

Yellow (25%)

Blue (82%)

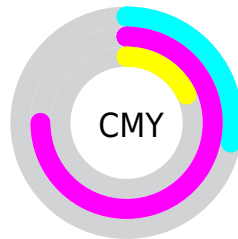


Cyan (12%)

Magenta (70%)

Yellow (0%)

Black (18%)



Cyan (28%)


Magenta (75%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 85.776, 322.086 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, 85.776, 322.086 by changing the saturation by 10% instead.


 50, 85.776,
322.086


 50, 85.776,
322.086


 100, 85.776,
322.086


 40, 85.776,
322.086


 70, 85.776,
322.086

 30, 85.776,
322.086


 80, 85.776,
322.086


 20, 85.776,
322.086

 90, 85.776,
322.086

 10, 85.776,
322.086

 0, 85.776, 322.086

 50, 85.776,
322.086

 50, 85.776,
322.086

47, 93.504,
322.081

54, 75.904,
321.925

45, 98.651,
321.872

58, 64.479,
321.639

44, 101.435,
321.471

63, 52.062,
321.268

44, 101.442,
321.470

68, 39.114,
320.844

73, 25.975,
320.393

79, 12.878,
319.929

84, 0.026, 148.179

90, 12.647,
139.086

96, 24.936,
138.669

Harmonies

Complementary

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



50, 85.776, 322.086



75, 84.751, 135.166

Rectangle

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



50, 85.776, 322.086



50, 85.776, 12.086



50, 85.776, 142.086



50, 85.776, 192.086

Sweetspot

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



50, 85.774, 322.086



86, 31.984, 320.450



43, 71.582, 294.916



44, 21.675, 320.578



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, 85.774, 322.086



56, 111.573, 322.004



52, 70.148, 341.209



41, 7.296, 319.902



35, 85.978, 321.568



4, 29.545, 321.093

Inverse Universe

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



49, 61.763, 17.713



55, 84.326, 24.022



75, 71.363, 147.172



41, 4.575, 5.827



35, 68.867, 30.736



4, 20.166, 11.266

Previews

White Background



This preview shows how the CIELCh color 50, 85.776, 322.086 looks on a white background.

Color Contrast Check

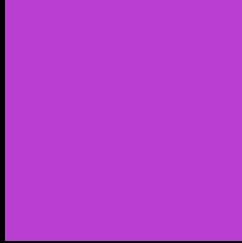
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.776, 322.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

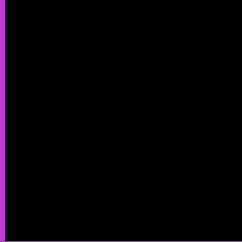
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 85.776, 322.086

Background



This preview shows how black text looks on a background with the CIELCh color 50, 85.776, 322.086.

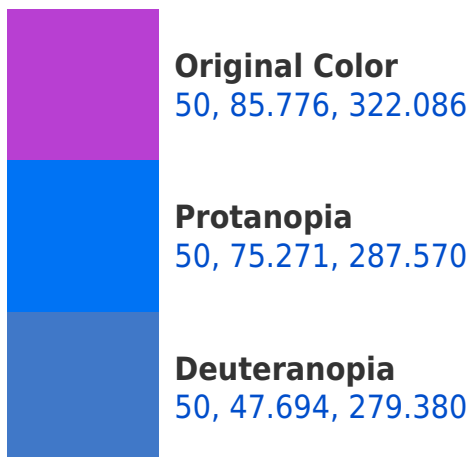


This preview shows how white text looks on a background with the CIELCh color 50, 85.776, 322.086.

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, 31.178, 16.331

Trichromacy



Original Color
50, 85.776, 322.086



Protanomaly
46, 79.853, 295.720



Deuteranomaly
48, 61.790, 299.880



Tritanomaly
49, 46.462, 340.980

Monochromacy



Original Color
50, 85.776, 322.086



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 35.095, 321.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 85.776, 322.086 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(184, 63, 210)` looks like.

```
.text, #text, p{  
    color:rgb(184, 63, 210)  
}
```

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(184, 63, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 63, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 85.776, 322.086 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(184, 63, 210) }
```

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

```
.border{ border-color:rgb(184, 63, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 63, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 63, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 63, 210);  
box-shadow:4px 4px 4px 4px rgb(184, 63,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 85.776, 322.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 63, 210) }
```

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

```
.background{ background-color: rgb(184, 63,  
210) }
```

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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