

Converting Colors

CIELCh(50, 87.680, 334.583)

Have a look what the booklet for
CIELCh(50, 87.680, 334.583)
contains.

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Color

CIELCh(50, 87.772, 334.424)

Conversions

Conversions Part 1

Format	Color
Hex	D51BB9
RGB	213, 27, 185
RGB Percent	84%, 11%, 73%
CMY	0.1649, 0.8944, 0.2747
CMYK	0.00, 0.87, 0.13, 0.16
HSL	309°, 78%, 47%
HSV	309°, 87%, 84%
XYZ	36.5674, 18.4187, 47.5005
YIQ	100.6260, 60.1380, 88.5700

Conversions

Conversions Part 2

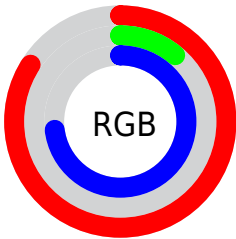
Format	Color
R_{YB}	213, 27, 185
Decimal	13966265
CIE _{Lab}	50.00, 79.17, -37.89
CIE _{LCh}	50, 87.772, 334.424
Yxy	18.4187, 0.3568, 0.1797
Android (android.graphics.Color)	4292156345 (0xFFD51BB9)
YUV	100.6260, 41.5964, 98.5520
Hunter-Lab	42.9170, 76.9864, -35.5803

Details

The CIELCh color **50, 87.772, 334.424** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **75, 94.725, 139.161**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 85.904, 330.227**, and **35, 70.677, 335.114** is the 20% darker color. If you saturate the color by 10%, you get **49, 89.355, 335.167**, and if you desaturate by 10%, it is **52, 83.688, 333.736**.

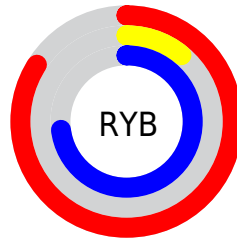
Distribution



Red (84%)

Green (11%)

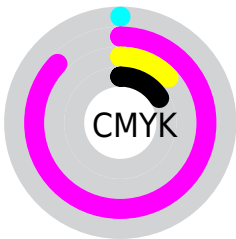
Blue (73%)



Red (84%)

Yellow (11%)

Blue (73%)

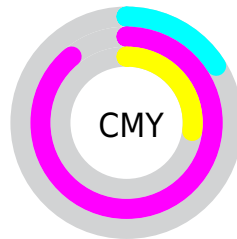


Cyan (0%)

Magenta (87%)

Yellow (13%)

Black (16%)



Cyan (16%)

Magenta (89%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 87.772, 334.424 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, 87.772, 334.424 by changing the saturation by 10% instead.

 50, 87.772,
334.424

 50, 87.772,
334.424


 100, 87.772,
334.424

 40, 87.772,
334.424

 70, 87.772,
334.424

 30, 87.772,
334.424

 80, 87.772,
334.424

 20, 87.772,
334.424

 90, 87.772,
334.424

 10, 87.772,
334.424

 0, 87.772, 334.424

 50, 87.772,
334.424

 50, 87.772,
334.424

49, 89.355,
335.167

52, 83.688,
333.736

49, 89.580,
335.369

54, 77.080,
333.079

58, 68.297,
332.434

61, 57.859,
331.794

66, 46.304,
331.155

71, 34.101,
330.520

76, 21.618,
329.892

81, 9.116, 329.263

87, 3.229, 148.802

Harmonies

Complementary

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



50, 87.772, 334.424



75, 94.725, 139.161

Rectangle

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



50, 87.772, 334.424



50, 87.772, 24.424



50, 87.772, 154.424



50, 87.772, 204.424

Sweetspot

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



50, 87.769, 334.424



84, 37.516, 330.451



30, 108.013, 306.284



43, 25.409, 330.672



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, 87.769, 334.424



58, 102.504, 335.455



47, 71.008, 10.617



42, 7.073, 329.395



39, 76.154, 335.244



6, 29.506, 333.640

Inverse Universe

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



50, 87.769, 334.424



58, 102.504, 335.455



76, 61.351, 160.648



42, 7.073, 329.395



39, 76.154, 335.244



6, 29.506, 333.640

Previews

White Background



This preview shows how the CIELCh color 50, 87.772, 334.424 looks on a white background.

Color Contrast Check

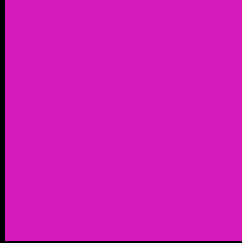
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.772, 334.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

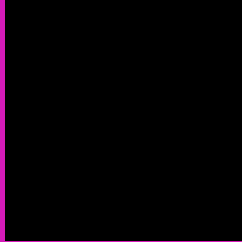
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 87.772, 334.424

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.772, 334.424.

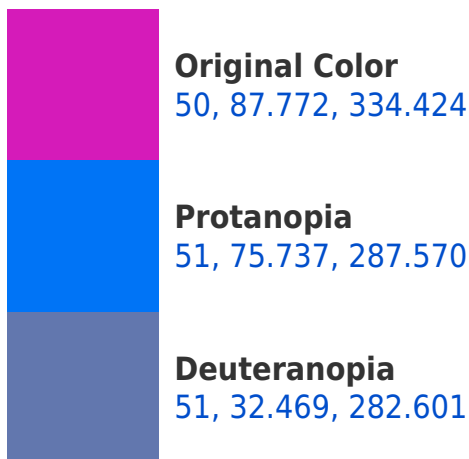


This preview shows how white text looks on a background with the CIELCh color 50, 87.772, 334.424.

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, 56.378, 25.995

Trichromacy



Original Color
50, 87.772, 334.424



Protanomaly
43, 82.828, 299.354



Deuteranomaly
46, 56.598, 314.339



Tritanomaly
49, 62.171, 0.423

Monochromacy



Original Color
50, 87.772, 334.424



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 42.220, 331.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.772, 334.424 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(213, 27, 185)` looks like.

```
.text, #text, p{  
    color:rgb(213, 27, 185)  
}
```

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(213, 27, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 27, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.772, 334.424 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(213, 27, 185) }
```

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

```
.border{ border-color:rgb(213, 27, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 27, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 27, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 27, 185);  
box-shadow:4px 4px 4px 4px rgb(213, 27,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.772, 334.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 27, 185) }
```

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

```
.background{ background-color: rgb(213, 27,  
185) }
```

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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