

Converting Colors

CIELCh(50, 89.630, 334.922)

Have a look what the booklet for
CIELCh(50, 89.630, 334.922)
contains.

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Color

CIELCh(50, 89.542, 335.043)

Conversions

Conversions Part 1

Format	Color
Hex	D80FB9
RGB	216, 15, 185
RGB Percent	85%, 6%, 73%
CMY	0.1537, 0.9394, 0.2752
CMYK	0.00, 0.93, 0.14, 0.15
HSL	309°, 87%, 45%
HSV	309°, 93%, 85%
XYZ	37.1770, 18.4187, 47.3965
YIQ	94.4790, 65.2260, 95.4820

Conversions

Conversions Part 2

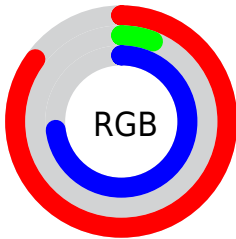
Format	Color
R_{YB}	216, 15, 185
Decimal	14159801
CIE _{Lab}	50.00, 81.18, -37.78
CIE _{LCh}	50, 89.542, 335.043
Yxy	18.4187, 0.3610, 0.1788
Android (android.graphics.Color)	4292349881 (0xFFD80FB9)
YUV	94.4790, 44.6269, 106.5739
Hunter-Lab	42.9170, 79.5216, -35.4367

Details

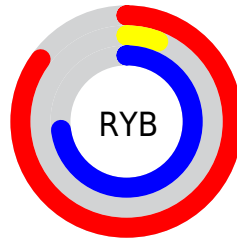
The CIELCh color **50, 89.542, 335.043** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **76, 98.574, 138.454**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 87.724, 330.231**, and **35, 70.753, 335.717** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.182, 335.608**, and if you desaturate by 10%, it is **51, 86.889, 334.305**.

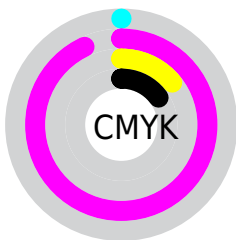
Distribution



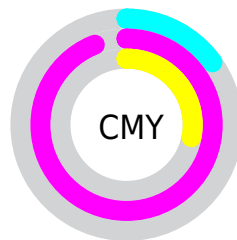
- Red (85%)
- Green (6%)
- Blue (73%)



- Red (85%)
- Yellow (6%)
- Blue (73%)



- Cyan (0%)
- Magenta (93%)
- Yellow (14%)
- Black (15%)





- Cyan (15%)
- Magenta (94%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 89.542, 335.043 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, 89.542, 335.043 by changing the saturation by 10% instead.


 50, 89.542,
335.043


 50, 89.542,
335.043


 100, 89.542,
335.043


 40, 89.542,
335.043


 70, 89.542,
335.043

 30, 89.542,
335.043


 80, 89.542,
335.043


 20, 89.542,
335.043

 90, 89.542,
335.043

 10, 89.542,
335.043

 0, 89.542, 335.043

 50, 89.542,
335.043

 50, 89.542,
335.043

■ 49, 90.182,
335.608

■ 51, 86.889,
334.305

■ 53, 81.621,
333.617

■ 56, 73.926,
332.955

■ 60, 64.257,
332.303

■ 64, 53.164,
331.656

■ 69, 41.169,
331.013

■ 74, 28.701,
330.377

■ 79, 16.083,
329.748

■ 85, 3.536, 329.075

Harmonies

Complementary

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



50, 89.542, 335.043



76, 98.574, 138.454

Rectangle

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



50, 89.542, 335.043



50, 89.542, 25.043



50, 89.542, 155.043



50, 89.542, 205.043

Sweetspot

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



50, 89.539, 335.043



83, 40.270, 330.721



29, 113.211, 306.606



42, 27.751, 330.999



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, 89.539, 335.043



58, 102.172, 335.690



46, 73.704, 13.329



42, 7.053, 329.532



39, 75.913, 335.471



6, 29.416, 333.819

Inverse Universe

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



50, 89.539, 335.043



58, 102.172, 335.690



77, 64.079, 159.446



42, 7.053, 329.532



39, 75.913, 335.471



6, 29.416, 333.819

Previews

White Background



This preview shows how the CIELCh color 50, 89.542, 335.043 looks on a white background.

Color Contrast Check

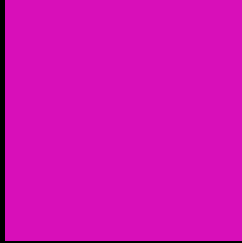
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.542, 335.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

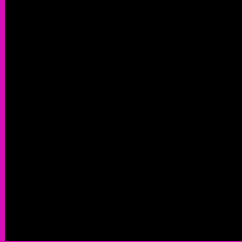
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 89.542, 335.043

Background



This preview shows how black text looks on a background with the CIELCh color 50, 89.542, 335.043.



This preview shows how white text looks on a background with the CIELCh color 50, 89.542, 335.043.

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



Original Color

50, 89.657, 335.039

Protanopia

51, 75.737, 287.570

Deuteranopia

51, 32.424, 283.103



Tritanopia
50, 58.597, 26.544

Trichromacy



Original Color
50, 89.657, 335.039



Protanomaly
42, 85.902, 300.603



Deuteranomaly
45, 59.767, 315.420



Tritanomaly
49, 64.569, 0.898

Monochromacy



Original Color
50, 89.657, 335.039



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 44.970, 332.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 89.542, 335.043 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(216, 15, 185)` looks like.

```
.text, #text, p{  
    color:rgb(216, 15, 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(216, 15, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 15, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 89.542, 335.043 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(216, 15, 185) }
```

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

```
.border{ border-color:rgb(216, 15, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 15, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 15, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 15, 185);  
box-shadow:4px 4px 4px 4px rgb(216, 15,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 89.542, 335.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 15, 185) }
```

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

```
.background{ background-color: rgb(216, 15,  
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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