

Converting Colors

CIELCh(50, 87.922, 338.519)

Have a look what the booklet for
CIELCh(50, 87.922, 338.519)
contains.

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Color

CIELCh(50, 87.812, 338.598)

Conversions

Conversions Part 1

Format	Color
Hex	DC04AF
RGB	220, 4, 175
RGB Percent	86%, 2%, 69%
CMY	0.1366, 0.9857, 0.3132
CMYK	0.00, 0.98, 0.20, 0.14
HSL	312°, 97%, 44%
HSV	312°, 98%, 86%
XYZ	37.3529, 18.4187, 42.2152
YIQ	88.0780, 73.8450, 98.9730

Conversions

Conversions Part 2

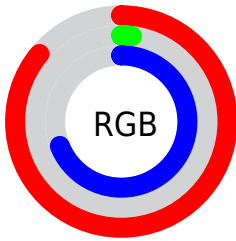
Format	Color
R_{YB}	220, 4, 175
Decimal	14419119
CIE _{Lab}	50.00, 81.76, -32.04
CIE _{LCh}	50, 87.812, 338.598
Yxy	18.4187, 0.3812, 0.1880
Android (android.graphics.Color)	4292609199 (0xFFDC04AF)
YUV	88.0780, 42.8525, 115.6956
Hunter-Lab	42.9170, 80.2532, -28.2787

Details

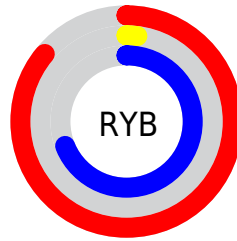
The CIELCh color **50, 87.812, 338.598** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **77, 100.112, 138.770**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 84.609, 332.802**, and **36, 68.087, 340.360** is the 20% darker color. If you saturate the color by 10%, you get **50, 87.896, 338.790**, and if you desaturate by 10%, it is **51, 86.698, 337.480**.

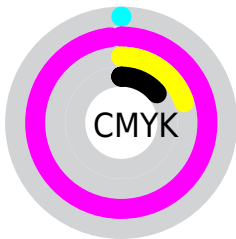
Distribution



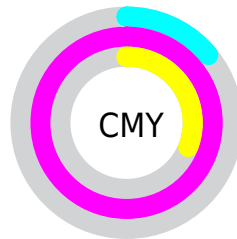
- Red (86%)
- Green (2%)
- Blue (69%)



- Red (86%)
- Yellow (2%)
- Blue (69%)



- Cyan (0%)
- Magenta (98%)
- Yellow (20%)
- Black (14%)





- Cyan (14%)
- Magenta (99%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 87.812, 338.598 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, 87.812, 338.598 by changing the saturation by 10% instead.


 50, 87.812,
338.598


 50, 87.812,
338.598


 100, 87.812,
338.598


 40, 87.812,
338.598


 70, 87.812,
338.598

 30, 87.812,
338.598


 80, 87.812,
338.598

 20, 87.812,
338.598

 90, 87.812,
338.598

 10, 87.812,
338.598

 0, 87.812, 338.598

 50, 87.812,
338.598

 50, 87.812,
338.598

50, 87.896,
338.790

51, 86.698,
337.480

53, 83.101,
336.502

55, 76.899,
335.628

59, 68.440,
334.824

63, 58.256,
334.066

67, 46.906,
333.340

72, 34.880,
332.640

78, 22.557,
331.961

83, 10.207,

Harmonies

Complementary

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



50, 87.812, 338.598



77, 100.112, 138.770

Rectangle

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



50, 87.812, 338.598



50, 87.812, 28.598



50, 87.812, 158.598



50, 87.812, 208.598

Sweetspot

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



50, 87.809, 338.598



82, 41.564, 332.771



29, 117.246, 307.150



41, 28.296, 333.068



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, 87.809, 338.598



58, 98.087, 338.898



47, 78.102, 20.948



43, 6.925, 331.368



39, 73.733, 338.583



6, 29.852, 336.429

Inverse Universe

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



50, 87.809, 338.598



58, 98.087, 338.898



78, 62.998, 161.933



43, 6.925, 331.368



39, 73.733, 338.583



6, 29.852, 336.429

Previews

White Background



This preview shows how the CIELCh color 50, 87.812, 338.598 looks on a white background.

Color Contrast Check

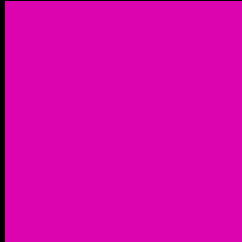
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.812, 338.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

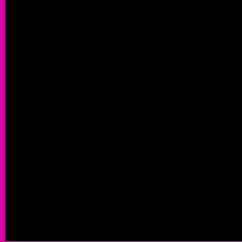
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 87.812, 338.598

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.812, 338.598.



This preview shows how white text looks on a background with the CIELCh color 50, 87.812, 338.598.

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, 87.727, 338.604

Deuteranopia

51, 26.424, 284.800

Tritanopia

50, 63.470, 27.793

Trichromacy



Original Color
50, 87.727, 338.604

Deuteranomaly
45, 57.650, 320.415

Tritanomaly
49, 67.826, 4.441

Monochromacy



Original Color
50, 87.727, 338.604

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 46.524, 334.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.812, 338.598 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(220, 4, 175)` looks like.

```
.text, #text, p{  
    color:rgb(220, 4, 175)  
}
```

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(220, 4, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 4, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.812, 338.598 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(220, 4, 175) }
```

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

```
.border{ border-color:rgb(220, 4, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 4, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 4, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 4, 175);  
box-shadow:4px 4px 4px 4px rgb(220, 4,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.812, 338.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 4, 175) }
```

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

```
.background{ background-color: rgb(220, 4,  
175) }
```

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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