

Converting Colors

CIELCh(50, 84.782, 342.720)

Have a look what the booklet for
CIELCh(50, 84.782, 342.720)
contains.

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Color

CIELCh(50, 84.864, 342.620)

Conversions

Conversions Part 1

Format	Color
Hex	DF04A4
RGB	223, 4, 164
RGB Percent	87%, 2%, 64%
CMY	0.1260, 0.9862, 0.3573
CMYK	0.00, 0.98, 0.26, 0.13
HSL	316°, 97%, 44%
HSV	316°, 98%, 87%
XYZ	37.1186, 18.4187, 36.6649
YIQ	87.7210, 79.1640, 96.1880

Conversions

Conversions Part 2

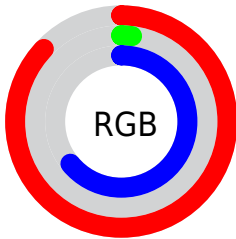
Format	Color
R_{YB}	223, 4, 164
Decimal	14615716
CIE _{Lab}	50.00, 80.99, -25.35
CIE _{LCh}	50, 84.864, 342.620
Yxy	18.4187, 0.4026, 0.1998
Android (android.graphics.Color)	4292805796 (0xFFDF04A4)
YUV	87.7210, 37.6055, 118.6397
Hunter-Lab	42.9170, 79.2789, -20.6109

Details

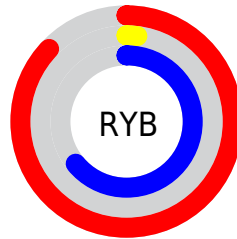
The CIELCh color **50, 84.864, 342.620** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **78, 97.553, 140.268**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 80.484, 335.969**, and **36, 65.513, 345.301** is the 20% darker color. If you saturate the color by 10%, you get **50, 84.912, 342.885**, and if you desaturate by 10%, it is **51, 83.977, 341.030**.

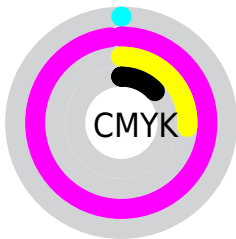
Distribution



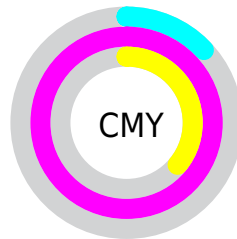
- Red (87%)
- Green (2%)
- Blue (64%)



- Red (87%)
- Yellow (2%)
- Blue (64%)



- Cyan (0%)
- Magenta (98%)
- Yellow (26%)
- Black (13%)




- Cyan (13%)
- Magenta (99%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 84.864, 342.620 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, 84.864, 342.620 by changing the saturation by 10% instead.


 50, 84.864,
342.620


 50, 84.864,
342.620


 100, 84.864,
342.620


 40, 84.864,
342.620


 70, 84.864,
342.620

 30, 84.864,
342.620

 80, 84.864,
342.620


 20, 84.864,
342.620

 90, 84.864,
342.620

 10, 84.864,
342.620

 0, 84.864, 342.620

 50, 84.864,
342.620

 50, 84.864,
342.620

50, 84.912,
342.885

51, 83.977,
341.030

53, 80.618,
339.691

56, 74.659,
338.551

59, 66.459,
337.550

63, 56.562,
336.647

68, 45.533,
335.813

73, 33.857,
335.033

78, 21.910,
334.294

84, 9.952, 333.581

Harmonies

Complementary

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



50, 84.864, 342.620



78, 97.553, 140.268

Rectangle

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



50, 84.864, 342.620



50, 84.864, 32.620



50, 84.864, 162.620



50, 84.864, 212.620

Sweetspot

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



50, 84.860, 342.620



81, 39.854, 335.171



30, 117.289, 307.824



41, 27.141, 335.500



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, 84.860, 342.620



57, 93.878, 343.028



47, 81.821, 26.771



44, 6.757, 333.655



39, 71.372, 342.589



7, 29.973, 339.691

Inverse Universe

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



50, 84.860, 342.620



57, 93.878, 343.028



79, 58.446, 167.646



44, 6.757, 333.655



39, 71.372, 342.589



7, 29.973, 339.691

Previews

White Background



This preview shows how the CIELCh color 50, 84.864, 342.620 looks on a white background.

Color Contrast Check

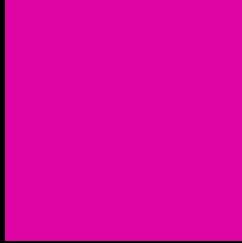
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.864, 342.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

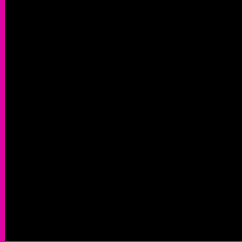
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 84.864, 342.620

Background



This preview shows how black text looks on a background with the CIELCh color 50, 84.864, 342.620.



This preview shows how white text looks on a background with the CIELCh color 50, 84.864, 342.620.

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, 84.864, 342.620

Protanopia

51, 67.588, 287.401

Deuteranopia

51, 20.457, 289.796



Tritanopia
50, 67.216, 29.174

Trichromacy



Original Color
50, 84.864, 342.620



Protanomaly
43, 78.278, 306.723



Deuteranomaly
45, 53.667, 325.943



Tritanomaly
49, 69.093, 8.236

Monochromacy



Original Color
50, 84.864, 342.620



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 44.619, 337.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 84.864, 342.620 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(223, 4, 164)` looks like.

```
.text, #text, p{  
    color:rgb(223, 4, 164)  
}
```

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(223, 4, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 4, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 84.864, 342.620 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(223, 4, 164) }
```

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

```
.border{ border-color:rgb(223, 4, 164) }
```

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

Here you see how a box with a 4 pixel rgb(223, 4, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 4, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 4, 164);  
box-shadow:4px 4px 4px 4px rgb(223, 4,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 84.864, 342.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 4, 164) }
```

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

```
.background{ background-color: rgb(223, 4,  
164) }
```

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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