

Converting Colors

CIELCh(50, 84.059, 345.538)

Have a look what the booklet for
CIELCh(50, 84.059, 345.538)
contains.

CIELCh(50, 83.768, 345.576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 83.768, 345.576)

Conversions

Conversions Part 1

Format	Color
Hex	E1009C
RGB	225, 0, 156
RGB Percent	88%, 0%, 61%
CMY	0.1164, 1.0000, 0.3866
CMYK	0.00, 1.00, 0.31, 0.12
HSL	318°, 100%, 44%
HSV	318°, 100%, 88%
XYZ	37.1607, 18.4187, 33.2338
YIQ	85.0590, 84.0240, 96.2160

Conversions

Conversions Part 2

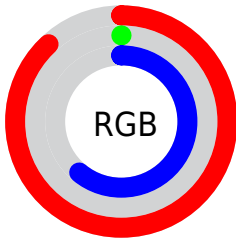
Format	Color
R_{YB}	225, 0, 156
Decimal	14745756
CIE _{Lab}	50.00, 81.13, -20.87
CIE _{LCh}	50, 83.768, 345.576
Yxy	18.4187, 0.4184, 0.2074
Android (android.graphics.Color)	4292935836 (0xFFE1009C)
YUV	85.0590, 34.9739, 122.7283
Hunter-Lab	42.9170, 79.4539, -15.8708

Details

The CIELCh color **50, 83.768, 345.576** 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 **79, 96.792, 141.051**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 77.904, 338.311**, and **36, 64.166, 349.264** is the 20% darker color. If you saturate the color by 10%, you get **50, 83.555, 345.610**, and if you desaturate by 10%, it is **51, 82.983, 343.655**.

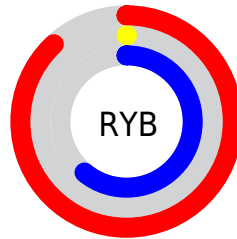
Distribution



Red (88%)

Green (0%)

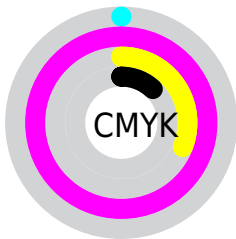
Blue (61%)



Red (88%)

Yellow (0%)

Blue (61%)

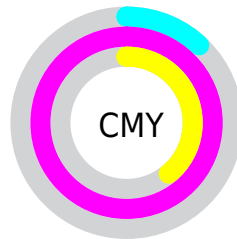


Cyan (0%)

Magenta (100%)

Yellow (31%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.768, 345.576 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, 83.768, 345.576 by changing the saturation by 10% instead.


 50, 83.768,
345.576


 50, 83.768,
345.576


 100, 83.768,
345.576


 40, 83.768,
345.576


 70, 83.768,
345.576

 30, 83.768,
345.576


 80, 83.768,
345.576


 20, 83.768,
345.576

 90, 83.768,
345.576

 10, 83.768,
345.576

 0, 83.768, 345.576

 50, 83.768,
345.576

 50, 83.768,
345.576

50, 83.555,
345.610

51, 82.983,
343.655

53, 80.131,
342.020

55, 74.659,
340.660

59, 66.883,
339.500

63, 57.336,
338.480

68, 46.591,
337.561

73, 35.152,
336.716

78, 23.408,
335.928

84, 11.633,

Harmonies

Complementary

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



50, 83.768, 345.576



79, 96.792, 141.051

Rectangle

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



50, 83.768, 345.576



50, 83.768, 35.576



50, 83.768, 165.576



50, 83.768, 215.576

Sweetspot

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



50, 83.555, 345.610



81, 38.861, 336.733



31, 118.446, 308.211



41, 26.471, 337.084



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, 83.555, 345.610



57, 91.624, 345.770



47, 85.210, 30.215



44, 6.581, 335.139



39, 69.673, 345.236



7, 29.273, 341.745

Inverse Universe

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



50, 83.555, 345.610



57, 91.624, 345.770



80, 56.808, 170.585



44, 6.581, 335.139



39, 69.673, 345.236



7, 29.273, 341.745

Previews

White Background



This preview shows how the CIELCh color 50, 83.768, 345.576 looks on a white background.

Color Contrast Check

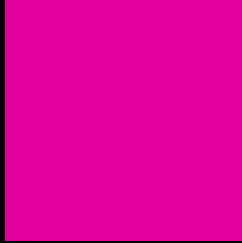
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.768, 345.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

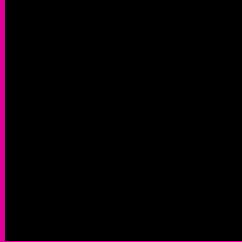
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 83.768, 345.576

Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.768, 345.576.



This preview shows how white text looks on a background with the CIELCh color 50, 83.768, 345.576.

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, 83.421, 345.673

Protanopia

51, 61.244, 286.782

Deuteranopia

51, 16.400, 294.811



Tritanopia
51, 70.070, 30.269

Trichromacy



Original Color
50, 83.421, 345.673



Protanomaly
44, 74.004, 309.452



Deuteranomaly
45, 51.733, 330.131

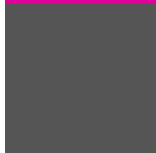


Tritanomaly
49, 71.006, 10.716

Monochromacy



Original Color
50, 83.421, 345.673



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 44.863, 339.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 83.768, 345.576 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(225, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 156)  
}
```

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(225, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 83.768, 345.576 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(225, 0, 156) }
```

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

```
.border{ border-color:rgb(225, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 83.768, 345.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 156) }
```

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

```
.background{ background-color: rgb(225, 0,  
156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor