

# Converting Colors

CIELCh(50, 83.367, 346.561)

Have a look what the booklet for  
CIELCh(50, 83.367, 346.561)  
contains.

<b>CIELCh(50, 83.081, 346.596)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(50, 83.081, 346.596)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2009A
RGB	226, 0, 154
RGB Percent	89%, 0%, 60%
CMY	0.1149, 1.0000, 0.3971
CMYK	0.00, 1.00, 0.32, 0.11
HSL	319°, 100%, 44%
HSV	319°, 100%, 89%
XYZ	37.0663, 18.4187, 32.0583
YIQ	85.1300, 85.2620, 95.8060

# Conversions

## Conversions Part 2

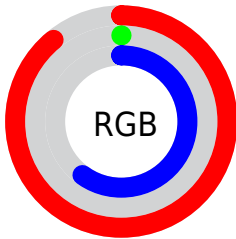
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	226, 0, 154
Decimal	14811290
CIE <sub>Lab</sub>	50.00, 80.82, -19.26
CIE <sub>LCh</sub>	50, 83.081, 346.596
Yxy	18.4187, 0.4234, 0.2104
Android (android.graphics.Color)	4293001370 (0xFFE2009A)
YUV	85.1300, 33.9529, 123.5430
Hunter-Lab	42.9170, 79.0614, -14.2468

# Details

The CIELCh color **50, 83.081, 346.596** 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, 96.016, 141.454**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 77.283, 338.926**, and **36, 63.916, 350.579** is the 20% darker color. If you saturate the color by 10%, you get **50, 82.986, 346.613**, and if you desaturate by 10%, it is **51, 82.425, 344.533**.

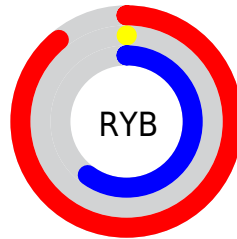
# Distribution



Red (89%)

Green (0%)

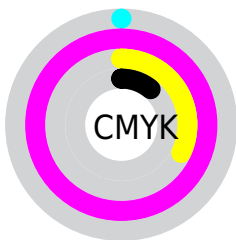
Blue (60%)



Red (89%)

Yellow (0%)

Blue (60%)

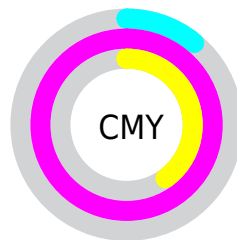


Cyan (0%)

Magenta (100%)

Yellow (32%)

Black (11%)



Cyan (11%)

Magenta (100%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.081, 346.596 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, 83.081, 346.596 by changing the saturation by 10% instead.





 50, 83.081,  
346.596


 50, 83.081,  
346.596


 100, 83.081,  
346.596


 40, 83.081,  
346.596


 70, 83.081,  
346.596

 30, 83.081,  
346.596


 80, 83.081,  
346.596


 20, 83.081,  
346.596

 90, 83.081,  
346.596

 10, 83.081,  
346.596

 0, 83.081, 346.596

 50, 83.081,  
346.596

 50, 83.081,  
346.596

50, 82.986,  
346.613

51, 82.425,  
344.533

53, 79.596,  
342.801

55, 74.157,  
341.371

59, 66.424,  
340.158

63, 56.932,  
339.100

68, 46.252,  
338.153

73, 34.888,  
337.287

78, 23.227,  
336.484

84, 11.541,



# Harmonies

# Complementary

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



50, 83.081, 346.596



79, 96.016, 141.454

# Rectangle

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



50, 83.081, 346.596



50, 83.081, 36.596



50, 83.081, 166.596



50, 83.081, 216.596

# Sweetspot

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



50, 82.986, 346.613



81, 38.518, 337.304



31, 118.252, 308.429



41, 26.240, 337.664



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, 82.986, 346.613



56, 90.888, 346.781



47, 86.281, 31.425



44, 6.520, 335.681



39, 69.116, 346.211



7, 29.036, 342.500



# Inverse Universe

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



50, 82.986, 346.613



56, 90.888, 346.781



81, 55.672, 172.317



44, 6.520, 335.681



39, 69.116, 346.211



7, 29.036, 342.500



# Previews

## White Background



This preview shows how the CIELCh color 50, 83.081, 346.596 looks on a white background.

## Color Contrast Check

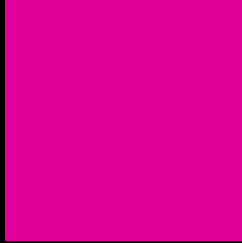
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.081, 346.596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

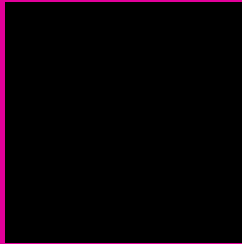
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 83.081, 346.596

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.081, 346.596.



This preview shows how white text looks on a background with the CIELCh color 50, 83.081, 346.596.

# 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, 83.081, 346.596

### Protanopia

51, 58.954, 286.612

### Deuteranopia

51, 14.681, 296.382





**Tritanopia**  
51, 70.937, 30.488

# Trichromacy



**Original Color**  
50, 83.081, 346.596



**Protanomaly**  
43, 71.899, 310.237



**Deuteranomaly**  
45, 50.647, 331.792



**Tritanomaly**  
49, 71.411, 11.847

# Monochromacy



**Original Color**  
50, 83.081, 346.596



**Achromatopsia**  
36, 0.005, 296.813



**Achromatomaly**  
36, 44.518, 339.853

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 83.081, 346.596 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(226, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 154)  
}
```

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(226, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 83.081, 346.596 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(226, 0, 154) }
```

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

```
.border{ border-color:rgb(226, 0, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 0, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 83.081, 346.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 154) }
```

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

```
.background{ background-color: rgb(226, 0,  
154) }
```

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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