

# Converting Colors

CIELCh(50, 82.916, 343.842)

Have a look what the booklet for  
CIELCh(50, 82.916, 343.842)  
contains.

<b>CIELCh(50, 82.850, 343.793)</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, 82.850, 343.793)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE0EA0
RGB	222, 14, 160
RGB Percent	87%, 5%, 63%
CMY	0.1289, 0.9433, 0.3721
CMYK	0.00, 0.93, 0.28, 0.13
HSL	318°, 88%, 46%
HSV	318°, 93%, 87%
XYZ	36.6840, 18.4187, 34.9337
YIQ	92.8360, 77.1020, 89.5020

# Conversions

## Conversions Part 2

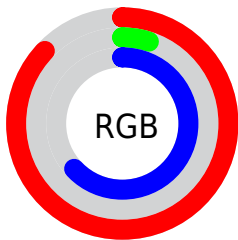
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 14, 160
Decimal	14552736
CIE <sub>Lab</sub>	50.00, 79.56, -23.12
CIE <sub>LCh</sub>	50, 82.850, 343.793
Yxy	18.4187, 0.4074, 0.2046
Android (android.graphics.Color)	4292742816 (0xFFDE0EA0)
YUV	92.8360, 33.1119, 113.2768
Hunter-Lab	42.9170, 77.4712, -18.2192

# Details

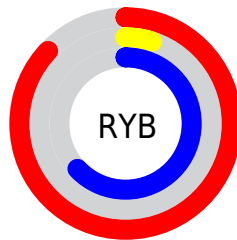
The CIELCh color **50, 82.850, 343.793** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **78, 92.679, 142.083**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 78.276, 337.190**, and **36, 64.546, 347.161** is the 20% darker color. If you saturate the color by 10%, you get **49, 83.056, 345.047**, and if you desaturate by 10%, it is **51, 80.901, 342.103**.

# Distribution



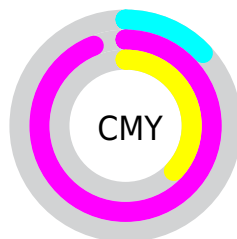
- Red (87%)
- Green (5%)
- Blue (63%)



- Red (87%)
- Yellow (5%)
- Blue (63%)



- Cyan (0%)
- Magenta (93%)
- Yellow (28%)
- Black (13%)




- Cyan (13%)
- Magenta (94%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 82.850, 343.793 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, 82.850, 343.793 by changing the saturation by 10% instead.




 50, 82.850,  
343.793


 50, 82.850,  
343.793


 100, 82.850,  
343.793


 40, 82.850,  
343.793

 70, 82.850,  
343.793

 30, 82.850,  
343.793


 80, 82.850,  
343.793


 20, 82.850,  
343.793

 90, 82.850,  
343.793

 10, 82.850,  
343.793

 0, 82.850, 343.793

 50, 82.850,  
343.793

 50, 82.850,  
343.793

49, 83.056,  
345.047

51, 80.901,  
342.103

54, 76.341,  
340.702

57, 69.357,  
339.513

61, 60.423,  
338.474

65, 50.108,  
337.541

70, 38.940,  
336.686

75, 27.346,  
335.891

81, 15.636,  
335.139

86, 4.020, 334.375



# Harmonies

# Complementary

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



50, 82.850, 343.793



78, 92.679, 142.083

# Rectangle

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



50, 82.850, 343.793



50, 82.850, 33.793



50, 82.850, 163.793



50, 82.850, 213.793

# Sweetspot

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



50, 82.846, 343.793



83, 36.460, 336.260



32, 114.142, 308.110



41, 25.145, 336.610



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, 82.846, 343.793



57, 92.045, 345.220



47, 79.829, 25.424



44, 6.615, 334.842



39, 69.991, 344.705



7, 29.407, 341.333



# Inverse Universe

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



50, 82.846, 343.793



57, 92.045, 345.220



79, 55.984, 170.183



44, 6.615, 334.842



39, 69.991, 344.705



7, 29.407, 341.333



# Previews

## White Background



This preview shows how the CIELCh color 50, 82.850, 343.793 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, 82.850, 343.793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

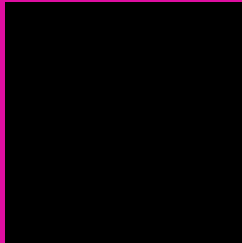
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 82.850, 343.793

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 82.850, 343.793.

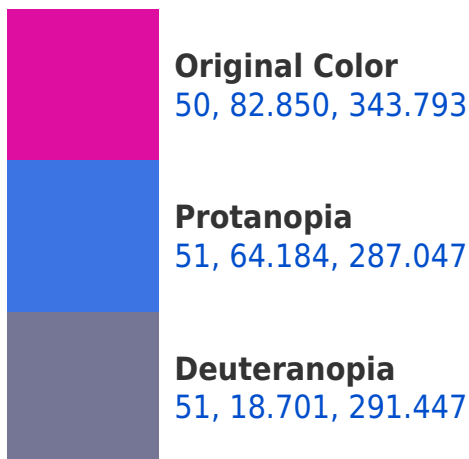


This preview shows how white text looks on a background with the CIELCh color 50, 82.850, 343.793.

# 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







**Tritanopia**  
50, 67.292, 29.277

# Trichromacy



**Original Color**  
50, 82.850, 343.793



**Protanomaly**  
44, 73.164, 307.017



**Deuteranomaly**  
46, 50.045, 327.304



**Tritanomaly**  
49, 68.408, 9.628

# Monochromacy



**Original Color**  
50, 82.850, 343.793



**Achromatopsia**  
39, 0.006, 296.813



**Achromatomaly**  
39, 42.095, 338.564

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 82.850, 343.793 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(222, 14, 160)` looks like.

```
.text, #text, p{  
    color:rgb(222, 14, 160)  
}
```

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(222, 14, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 14, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 82.850, 343.793 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(222, 14, 160) }
```

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

```
.border{ border-color:rgb(222, 14, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 14, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 14, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 14, 160);  
box-shadow:4px 4px 4px 4px rgb(222, 14,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 82.850, 343.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 14, 160) }
```

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

```
.background{ background-color: rgb(222, 14,  
160) }
```

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