

# Converting Colors

CIELCh(50, 77.270, 345.459)

Have a look what the booklet for  
CIELCh(50, 77.270, 345.459)  
contains.

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**Color**

**CIELCh(50, 77.463, 345.417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA239A
RGB	218, 35, 154
RGB Percent	85%, 14%, 60%
CMY	0.1454, 0.8632, 0.3964
CMYK	0.00, 0.84, 0.29, 0.15
HSL	321°, 72%, 50%
HSV	321°, 84%, 85%
XYZ	35.3138, 18.4187, 32.2352
YIQ	103.2830, 70.8690, 75.8050

# Conversions

## Conversions Part 2

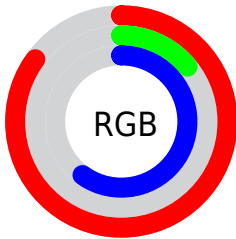
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 35, 154
Decimal	14295962
CIE Lab	50.00, 74.97, -19.50
CIE LCh	50, 77.463, 345.417
Yxy	18.4187, 0.4108, 0.2143
Android (android.graphics.Color)	4292486042 (0xFFDA239A)
YUV	103.2830, 25.0035, 100.6068
Hunter-Lab	42.9170, 71.7724, -14.4912

# Details

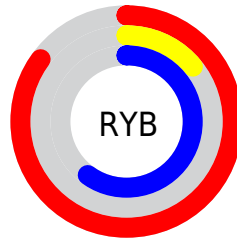
The CIELCh color **50, 77.463, 345.417** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **77, 81.942, 145.789**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.129, 339.400**, and **34, 62.864, 348.255** is the 20% darker color. If you saturate the color by 10%, you get **49, 79.225, 347.548**, and if you desaturate by 10%, it is **52, 73.185, 343.689**.

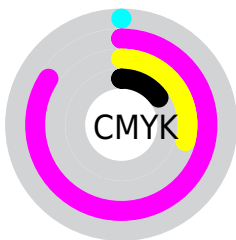
# Distribution



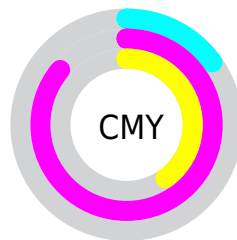
- Red (85%)
- Green (14%)
- Blue (60%)



- Red (85%)
- Yellow (14%)
- Blue (60%)



- Cyan (0%)
- Magenta (84%)
- Yellow (29%)
- Black (15%)




- Cyan (15%)
- Magenta (86%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 77.463, 345.417 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, 77.463, 345.417 by changing the saturation by 10% instead.





 50, 77.463,  
345.417


 50, 77.463,  
345.417

 100, 77.463,  
345.417


 40, 77.463,  
345.417


 70, 77.463,  
345.417

 30, 77.463,  
345.417

 80, 77.463,  
345.417

 20, 77.463,  
345.417

 90, 77.463,  
345.417

 10, 77.463,  
345.417

 0, 77.463, 345.417

 50, 77.463,  
345.417

 50, 77.463,  
345.417

49, 79.225,  
347.548

52, 73.185,  
343.689

48, 79.427,  
349.009

55, 66.567,  
342.259

59, 58.065,  
341.045

64, 48.233,  
339.983

68, 37.588,  
339.033

74, 26.543,  
338.166

79, 15.399,  
337.360

85, 4.355, 336.559

90, 6.466, 156.016



# Harmonies

# Complementary

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



50, 77.463, 345.417



77, 81.942, 145.789

# Rectangle

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



50, 77.463, 345.417



50, 77.463, 35.417



50, 77.463, 165.417



50, 77.463, 215.417

# Sweetspot

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



50, 77.460, 345.418



84, 31.432, 338.269



35, 104.515, 308.863



43, 21.451, 338.571



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, 77.460, 345.418



56, 89.280, 349.262



48, 74.737, 24.449



43, 6.259, 337.005



38, 67.176, 348.575



6, 27.143, 344.197



# Inverse Universe

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



50, 77.460, 345.418



56, 89.280, 349.262



78, 49.858, 176.746



43, 6.259, 337.005



38, 67.176, 348.575



6, 27.143, 344.197



# Previews

## White Background



This preview shows how the CIELCh color 50, 77.463, 345.417 looks on a white background.

## Color Contrast Check

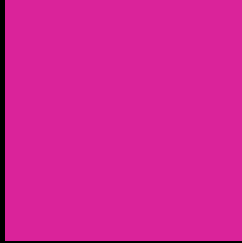
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.463, 345.417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

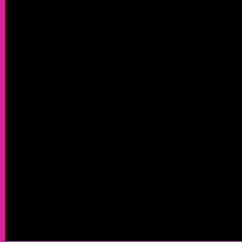
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 77.463, 345.417

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 77.463, 345.417.

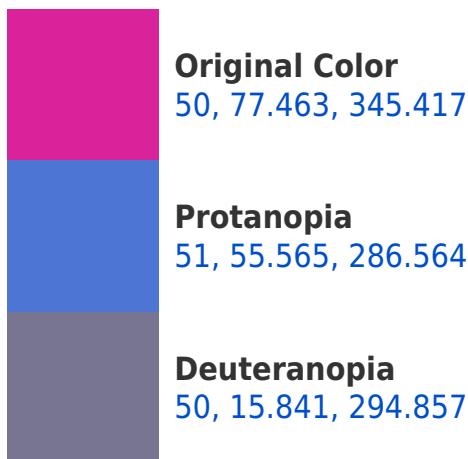


This preview shows how white text looks on a background with the CIELCh color 50, 77.463, 345.417.

# 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, 64.429, 28.127

# Trichromacy



**Original Color**  
50, 77.463, 345.417



**Protanomaly**  
46, 62.428, 308.676



**Deuteranomaly**  
47, 43.064, 329.867



**Tritanomaly**  
49, 64.726, 10.341

# Monochromacy



**Original Color**  
50, 77.463, 345.417



**Achromatopsia**  
44, 0.006, 296.813



**Achromatomaly**  
43, 36.460, 339.760

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 77.463, 345.417 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(218, 35, 154)` looks like.

```
.text, #text, p{  
    color:rgb(218, 35, 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(218, 35, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 35, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 77.463, 345.417 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(218, 35, 154) }
```

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

```
.border{ border-color:rgb(218, 35, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 35, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 35, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 35, 154);  
box-shadow:4px 4px 4px 4px rgb(218, 35,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 77.463, 345.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 35, 154) }
```

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

```
.background{ background-color: rgb(218, 35,  
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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