

# Converting Colors

CIELCh(57, 75.647, 351.710)

Have a look what the booklet for  
CIELCh(57, 75.647, 351.710)  
contains.

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**Color**

**CIELCh(57, 75.532, 351.653)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F33D9E
RGB	243, 61, 158
RGB Percent	95%, 24%, 62%
CMY	0.0463, 0.7599, 0.3798
CMYK	0.00, 0.75, 0.35, 0.05
HSL	328°, 89%, 60%
HSV	328°, 75%, 95%
XYZ	44.8924, 24.9227, 34.8646
YIQ	126.4760, 77.3350, 68.7510

# Conversions

## Conversions Part 2

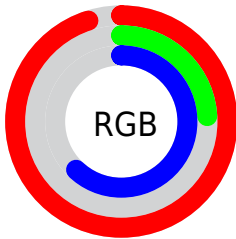
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 61, 158
Decimal	15941022
CIE Lab	57.00, 74.73, -10.96
CIE LCh	57, 75.532, 351.653
Yxy	24.9227, 0.4289, 0.2381
Android (android.graphics.Color)	4294131102 (0xFFFF33D9E)
YUV	126.4760, 15.5413, 102.1915
Hunter-Lab	49.9226, 73.1498, -6.4607

# Details

The CIELCh color **57, 75.532, 351.653** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **86, 74.160, 152.552**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 64.262, 339.360**, and **40, 67.502, 353.907** is the 20% darker color. If you saturate the color by 10%, you get **55, 79.903, 354.320**, and if you desaturate by 10%, it is **60, 68.753, 349.535**.

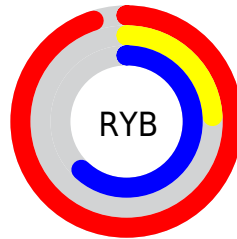
# Distribution



Red (95%)

Green (24%)

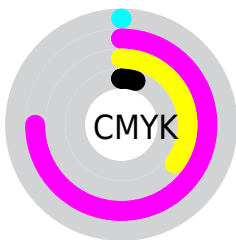
Blue (62%)



Red (95%)

Yellow (24%)

Blue (62%)

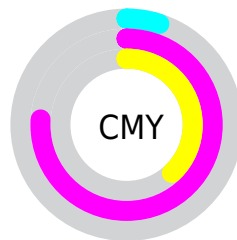


Cyan (0%)

Magenta (75%)

Yellow (35%)

Black (5%)



Cyan (5%)

Magenta (76%)


Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 75.532, 351.653 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 57, 75.532, 351.653 by changing the saturation by 10% instead.





 57, 75.532,  
351.653


 57, 75.532,  
351.653


 100, 75.532,  
351.653


 47, 75.532,  
351.653


 77, 75.532,  
351.653

 37, 75.532,  
351.653

 87, 75.532,  
351.653

 27, 75.532,  
351.653

 97, 75.532,  
351.653

 17, 75.532,  
351.653

 7, 75.532, 351.653

 0, 75.532, 351.653

57, 75.532,  
351.653

57, 75.532,  
351.653

55, 79.903,  
354.320

60, 68.753,  
349.535

53, 81.804,  
357.688

65, 60.028,  
347.819

53, 82.157,  
359.676

69, 49.939,  
346.391

75, 39.041,  
345.170

81, 27.777,  
344.101

87, 16.462,  
343.143

93, 5.299, 342.230

99, 5.134, 163.258



# Harmonies

# Complementary

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



57, 75.532, 351.653



86, 74.160, 152.552

# Rectangle

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



57, 75.532, 351.653



57, 75.532, 41.653



57, 75.532, 171.653



57, 75.532, 221.653

# Sweetspot

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



57, 75.528, 351.654



86, 25.542, 343.827



47, 102.688, 311.680



44, 17.190, 344.097



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 75.528, 351.654



56, 84.191, 356.045



55, 78.839, 30.212



48, 6.310, 342.661



40, 67.356, 358.949



9, 30.596, 353.392



# Inverse Universe

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



57, 75.528, 351.654



56, 84.191, 356.045



88, 45.977, 192.500



48, 6.310, 342.661



40, 67.356, 358.949



9, 30.596, 353.392



# Previews

## White Background



This preview shows how the CIELCh color 57, 75.532, 351.653 looks on a white background.

## Color Contrast Check

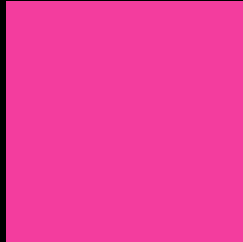
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 75.532, 351.653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

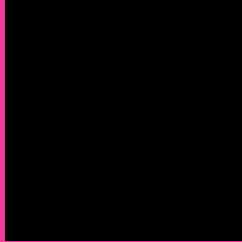
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 75.532, 351.653

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 75.532, 351.653.

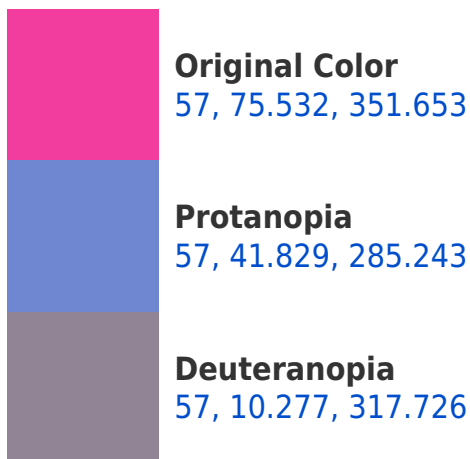


This preview shows how white text looks on a background with the CIELCh color 57, 75.532, 351.653.

# 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**  
57, 67.714, 27.488

# Trichromacy



**Original Color**  
57, 75.532, 351.653



**Protanomaly**  
54, 50.048, 315.092



**Deuteranomaly**  
55, 37.673, 341.729



**Tritanomaly**  
57, 67.343, 13.520

# Monochromacy



**Original Color**  
57, 75.532, 351.653



**Achromatopsia**  
53, 0.007, 296.813



**Achromatomaly**  
52, 32.490, 345.692

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 75.532, 351.653 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(243, 61, 158)` looks like.

```
.text, #text, p{  
    color:rgb(243, 61, 158)  
}
```

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(243, 61, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 61, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 75.532, 351.653 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(243, 61, 158) }
```

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

```
.border{ border-color:rgb(243, 61, 158) }
```

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

Here you see how a box with a 4 pixel rgb(243, 61, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 61, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 61, 158);  
box-shadow:4px 4px 4px 4px rgb(243, 61,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 75.532, 351.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 61, 158) }
```

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

```
.background{ background-color: rgb(243, 61,  
158) }
```

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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