

Converting Colors

CIELCh(57, 75.273, 347.026)

Have a look what the booklet for
CIELCh(57, 75.273, 347.026)
contains.

CIELCh(57, 75.300, 346.945)	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(57, 75.300, 346.945)

Conversions

Conversions Part 1

Format	Color
Hex	EE41A8
RGB	238, 65, 168
RGB Percent	93%, 25%, 66%
CMY	0.0650, 0.7433, 0.3398
CMYK	0.00, 0.73, 0.29, 0.07
HSL	324°, 84%, 60%
HSV	324°, 73%, 93%
XYZ	44.4174, 24.9227, 39.6922
YIQ	128.4690, 70.0450, 68.7090

Conversions

Conversions Part 2

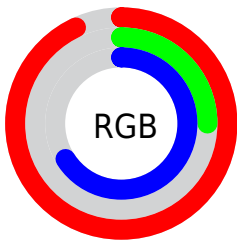
Format	Color
R _Y B	238, 65, 168
Decimal	15614376
CIE _{Lab}	57.00, 73.35, -17.01
CIE _{LCh}	57, 75.300, 346.945
Yxy	24.9227, 0.4074, 0.2286
Android (android.graphics.Color)	4293804456 (0xFFEE41A8)
YUV	128.4690, 19.4888, 96.0587
Hunter-Lab	49.9226, 71.4515, -12.1941

Details

The CIELCh color **57, 75.300, 346.945** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **84, 75.425, 150.165**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.929, 336.001**, and **39, 68.376, 348.222** is the 20% darker color. If you saturate the color by 10%, you get **54, 80.120, 349.019**, and if you desaturate by 10%, it is **60, 68.068, 345.265**.

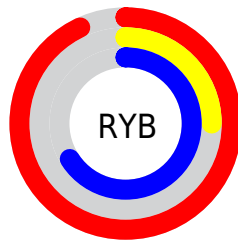
Distribution



Red (93%)

Green (25%)

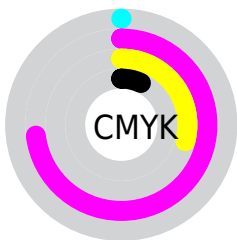
Blue (66%)



Red (93%)

Yellow (25%)

Blue (66%)

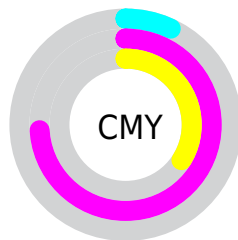


Cyan (0%)

Magenta (73%)

Yellow (29%)

Black (7%)



Cyan (7%)


Magenta (74%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 75.300, 346.945 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, 75.300, 346.945 by changing the saturation by 10% instead.


 57, 75.300,
346.945


 57, 75.300,
346.945


 100, 75.300,
346.945


 47, 75.300,
346.945


 77, 75.300,
346.945

 37, 75.300,
346.945

 87, 75.300,
346.945

 27, 75.300,
346.945

 97, 75.300,
346.945

 17, 75.300,
346.945

 7, 75.300, 346.945

 0, 75.300, 346.945

57, 75.300,
346.945

57, 75.300,
346.945

54, 80.120,
349.019

60, 68.068,
345.265

53, 82.329,
351.613

65, 58.945,
343.866

52, 82.643,
353.902

70, 48.524,
342.669

75, 37.344,
341.618

81, 25.827,
340.675

87, 14.270,
339.810

93, 2.867, 338.911

99, 7.554, 159.822

Harmonies

Complementary

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



57, 75.300, 346.945



84, 75.425, 150.165

Rectangle

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



57, 75.300, 346.945



57, 75.300, 36.945



57, 75.300, 166.945



57, 75.300, 216.945

Sweetspot

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



57, 75.296, 346.946



86, 26.614, 340.634



46, 98.928, 309.943



44, 17.902, 340.880



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, 75.296, 346.946



57, 85.752, 350.184



55, 72.751, 24.688



47, 6.475, 339.555



40, 68.138, 353.317



9, 30.584, 348.625

Inverse Universe

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



57, 75.296, 346.946



57, 85.752, 350.184



86, 46.857, 185.096



47, 6.475, 339.555



40, 68.138, 353.317



9, 30.584, 348.625

Previews

White Background



This preview shows how the CIELCh color 57, 75.300, 346.945 looks on a white background.

Color Contrast Check

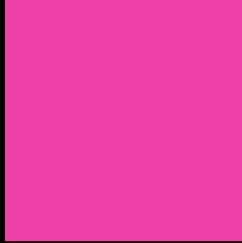
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.300, 346.945 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, 75.300, 346.945

Background



This preview shows how black text looks on a background with the CIELCh color 57, 75.300, 346.945.

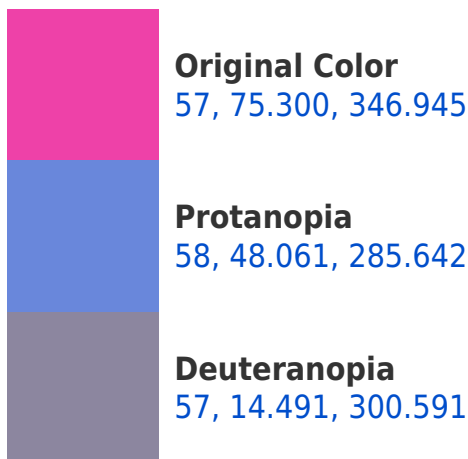


This preview shows how white text looks on a background with the CIELCh color 57, 75.300, 346.945.

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, 62.956, 25.505

Trichromacy



Original Color
57, 75.300, 346.945



Protanomaly
54, 54.126, 310.833



Deuteranomaly
55, 38.818, 333.320



Tritanomaly
57, 63.693, 9.867

Monochromacy



Original Color
57, 75.300, 346.945



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 32.140, 342.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 75.300, 346.945 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(238, 65, 168)` looks like.

```
.text, #text, p{  
    color:rgb(238, 65, 168)  
}
```

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(238, 65, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 65, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 75.300, 346.945 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(238, 65, 168) }
```

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

```
.border{ border-color:rgb(238, 65, 168) }
```

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

Here you see how a box with a 4 pixel rgb(238, 65, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 65, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 65, 168);  
box-shadow:4px 4px 4px 4px rgb(238, 65,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 75.300, 346.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 65, 168) }
```

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

```
.background{ background-color: rgb(238, 65,  
168) }
```

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