

Converting Colors

CIELCh(57, 91.122, 345.608)

Have a look what the booklet for
CIELCh(57, 91.122, 345.608)
contains.

CIELCh(57, 91.166, 345.307)	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, 91.166, 345.307)

Conversions

Conversions Part 1

Format	Color
Hex	FF0EB3
RGB	255, 14, 179
RGB Percent	100%, 5%, 70%
CMY	0.0000, 0.9434, 0.2968
CMYK	0.00, 0.94, 0.30, 0.00
HSL	319°, 100%, 53%
HSV	319°, 94%, 100%
XYZ	49.7080, 24.9227, 45.0092
YIQ	104.8690, 90.6710, 102.4070

Conversions

Conversions Part 2

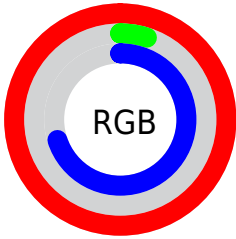
Format	Color
R _Y B	255, 14, 179
Decimal	16715443
CIE _{Lab}	57.00, 88.18, -23.12
CIE _{LCh}	57, 91.166, 345.307
Y _{xy}	24.9227, 0.4155, 0.2083
Android (android.graphics.Color)	4294905523 (0xFFFF0EB3)
YUV	104.8690, 36.5466, 131.6649
Hunter-Lab	49.9226, 90.3679, -18.5088

Details

The CIELCh color **57, 91.166, 345.307** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **88, 102.630, 142.288**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 81.913, 331.903**, and **43, 72.732, 348.590** is the 20% darker color. If you saturate the color by 10%, you get **56, 91.124, 346.449**, and if you desaturate by 10%, it is **58, 89.407, 343.338**.

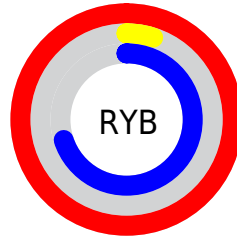
Distribution



Red (100%)

Green (5%)

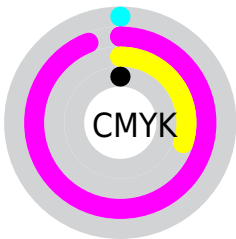
Blue (70%)



Red (100%)

Yellow (5%)

Blue (70%)

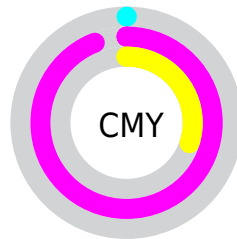


Cyan (0%)

Magenta (94%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 91.166, 345.307 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, 91.166, 345.307 by changing the saturation by 10% instead.


 57, 91.166,
345.307


 57, 91.166,
345.307


 100, 91.166,
345.307


 47, 91.166,
345.307


 77, 91.166,
345.307

 37, 91.166,
345.307

 87, 91.166,
345.307

 27, 91.166,
345.307

 97, 91.166,
345.307

 17, 91.166,
345.307

 7, 91.166, 345.307

 0, 91.166, 345.307

■ 57, 91.166,
345.307

■ 57, 91.166,
345.307

■ 56, 91.124,
346.449

■ 58, 89.407,
343.338

■ 61, 84.776,
341.788

■ 64, 77.376,
340.491

■ 68, 67.716,
339.373

■ 73, 56.435,
338.383

■ 79, 44.145,
337.484

■ 85, 31.341,
336.655

■ 91, 18.384,

335.877

 97, 5.520, 335.107

Harmonies

Complementary

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



57, 91.166, 345.307



88, 102.630, 142.288

Rectangle

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



57, 91.166, 345.307



57, 91.166, 35.307



57, 91.166, 165.307



57, 91.166, 215.307

Sweetspot

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



57, 91.120, 345.228



83, 36.063, 336.951



37, 127.292, 308.316



41, 24.874, 337.311



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, 91.120, 345.228



56, 91.124, 346.449



54, 90.429, 27.597



50, 7.264, 335.513



42, 73.641, 346.032



11, 34.712, 343.253

Inverse Universe

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



57, 91.120, 345.228



56, 91.124, 346.449



90, 61.256, 171.510



50, 7.264, 335.513



42, 73.641, 346.032



11, 34.712, 343.253

Previews

White Background



This preview shows how the CIELCh color 57, 91.166, 345.307 looks on a white background.

Color Contrast Check

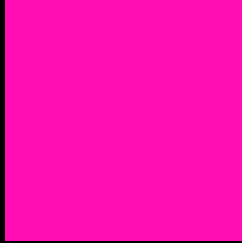
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.166, 345.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

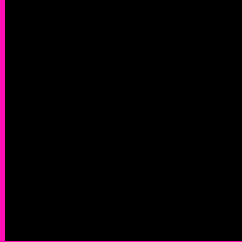
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 91.166, 345.307

Background



This preview shows how black text looks on a background with the CIELCh color 57, 91.166, 345.307.



This preview shows how white text looks on a background with the CIELCh color 57, 91.166, 345.307.

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

57, 91.083, 345.319

Protanopia

58, 69.491, 287.491

Deuteranopia

57, 19.449, 294.507



Tritanopia
57, 76.539, 29.913

Trichromacy



Original Color
57, 91.083, 345.319



Protanomaly
50, 79.780, 308.312



Deuteranomaly
52, 54.563, 329.416



Tritanomaly
56, 77.039, 11.030

Monochromacy



Original Color
57, 91.083, 345.319



Achromatopsia
44, 0.006, 296.813



Achromatomaly
44, 46.939, 339.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 91.166, 345.307 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(255, 14, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 14, 179)  
}
```

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(255, 14, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 91.166, 345.307 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(255, 14, 179) }
```

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

```
.border{ border-color:rgb(255, 14, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 14, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 14,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 91.166, 345.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 179) }
```

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

```
.background{ background-color: rgb(255, 14,  
179) }
```

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