

Converting Colors

CIELCh(57, 80.822, 358.077)

Have a look what the booklet for
CIELCh(57, 80.822, 358.077)
contains.

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Color

CIELCh(57, 80.923, 357.998)

Conversions

Conversions Part 1

Format	Color
Hex	FF2B91
RGB	255, 43, 145
RGB Percent	100%, 17%, 57%
CMY	0.0013, 0.8333, 0.4325
CMYK	0.00, 0.83, 0.43, 0.00
HSL	331°, 100%, 58%
HSV	331°, 83%, 100%
XYZ	47.0503, 24.9227, 29.0065
YIQ	118.0160, 93.6100, 76.6660

Conversions

Conversions Part 2

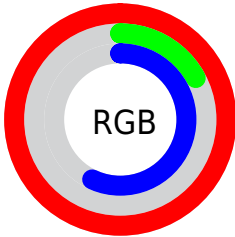
Format	Color
R_{YB}	255, 43, 145
Decimal	16722833
CIE _{Lab}	57.00, 80.87, -2.83
CIE _{LCh}	57, 80.923, 357.998
Yxy	24.9227, 0.4659, 0.2468
Android (android.graphics.Color)	4294912913 (0xFFFF2B91)
YUV	118.0160, 13.3031, 120.1350
Hunter-Lab	49.9226, 80.8655, 0.4966

Details

The CIELCh color **57, 80.923, 357.998** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **89, 78.980, 153.355**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.328, 343.813**, and **41, 68.393, 2.624** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.573, 1.774**, and if you desaturate by 10%, it is **60, 75.845, 355.022**.

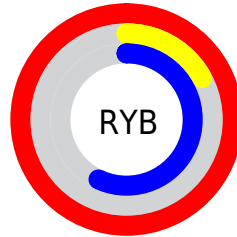
Distribution



Red (100%)

Green (17%)

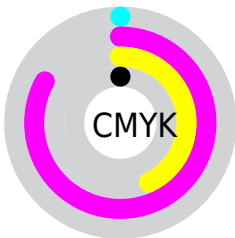
Blue (57%)



Red (100%)

Yellow (17%)

Blue (57%)

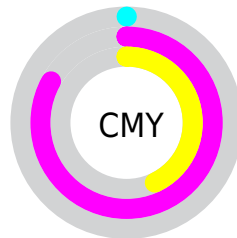


Cyan (0%)

Magenta (83%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 80.923, 357.998 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, 80.923, 357.998 by changing the saturation by 10% instead.


 57, 80.923,
357.998


 57, 80.923,
357.998


 100, 80.923,
357.998


 47, 80.923,
357.998


 77, 80.923,
357.998

 37, 80.923,
357.998

 87, 80.923,
357.998

 27, 80.923,
357.998

 97, 80.923,
357.998

 17, 80.923,
357.998

 7, 80.923, 357.998

 0, 80.923, 357.998

■ 57, 80.923,
357.998

■ 57, 80.923,
357.998

■ 55, 83.573, 1.774

■ 60, 75.845,
355.022

■ 55, 84.392, 4.724

■ 63, 68.459,
352.672

■ 68, 59.236,
350.786

■ 73, 48.774,
349.234

■ 79, 37.620,
347.923

■ 85, 26.201,
346.787

■ 91, 14.811,
345.777

■ 98, 3.635, 344.784

100, 0.117,
205.051

Harmonies

Complementary

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



57, 80.923, 357.998



89, 78.980, 153.355

Rectangle

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



57, 80.923, 357.998



57, 80.923, 47.998



57, 80.923, 177.998



57, 80.923, 227.998

Sweetspot

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



57, 80.919, 357.999



84, 28.171, 346.969



46, 114.665, 312.947



42, 19.258, 347.360



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, 80.919, 357.999



55, 84.477, 4.728



55, 92.094, 35.871



50, 6.306, 345.414



41, 68.091, 3.859



10, 31.709, 357.978

Inverse Universe

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



57, 80.919, 357.999



55, 84.477, 4.728



90, 47.506, 198.769



50, 6.306, 345.414



41, 68.091, 3.859



10, 31.709, 357.978

Previews

White Background



This preview shows how the CIELCh color 57, 80.923, 357.998 looks on a white background.

Color Contrast Check

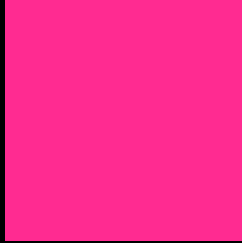
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.923, 357.998 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, 80.923, 357.998

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.923, 357.998.



This preview shows how white text looks on a background with the CIELCh color 57, 80.923, 357.998.

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, 80.923, 357.998

Protanopia

57, 37.241, 285.449

Deuteranopia

57, 7.254, 15.637



Tritanopia
57, 79.381, 30.958

Trichromacy



Original Color
57, 80.923, 357.998



Protanomaly
53, 50.294, 321.393



Deuteranomaly
54, 40.437, 353.172



Tritanomaly
57, 76.947, 19.033

Monochromacy



Original Color
57, 80.923, 357.998



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 36.748, 349.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.923, 357.998 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, 43, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 145)  
}
```

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, 43, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.923, 357.998 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, 43, 145) }
```

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

```
.border{ border-color:rgb(255, 43, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.923, 357.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 145) }
```

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

```
.background{ background-color: rgb(255, 43,  
145) }
```

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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