

Converting Colors

CIELCh(57, 80.497, 1.906)

Have a look what the booklet for
CIELCh(57, 80.497, 1.906) contains.

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Color

CIELCh(57, 80.288, 1.839)

Conversions

Conversions Part 1

Format	Color
Hex	FF2B88
RGB	255, 43, 136
RGB Percent	100%, 17%, 53%
CMY	0.0000, 0.8305, 0.4680
CMYK	0.00, 0.83, 0.47, 0.00
HSL	334°, 100%, 58%
HSV	334°, 83%, 100%
XYZ	46.8269, 24.9227, 25.5039
YIQ	116.9900, 96.4990, 73.8670

Conversions

Conversions Part 2

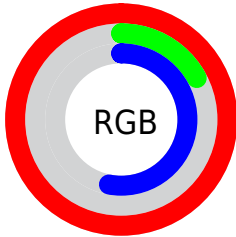
Format	Color
R_{YB}	255, 43, 136
Decimal	16722824
CIE _{Lab}	57.00, 80.25, 2.58
CIE _{LCh}	57, 80.288, 1.839
Yxy	24.9227, 0.4815, 0.2563
Android (android.graphics.Color)	4294912904 (0xFFFF2B88)
YUV	116.9900, 9.3719, 121.0348
Hunter-Lab	49.9226, 80.0668, 4.6564

Details

The CIELCh color **57, 80.288, 1.839** 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, 75.330, 155.909**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 62.797, 347.964**, and **41, 68.196, 6.648** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.239, 5.845**, and if you desaturate by 10%, it is **60, 74.687, 358.381**.

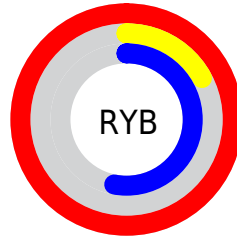
Distribution



Red (100%)

Green (17%)

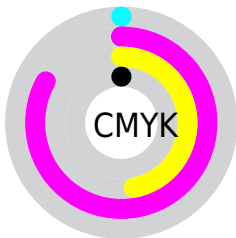
Blue (53%)



Red (100%)

Yellow (17%)

Blue (53%)

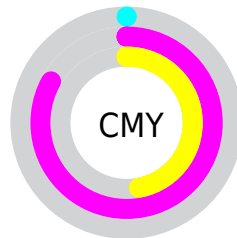


Cyan (0%)

Magenta (83%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (83%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.288, 1.839 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, 80.288, 1.839 by changing the saturation by 10% instead.

 57, 80.288, 1.839

 57, 80.288, 1.839

 100, 80.288, 1.839

 47, 80.288, 1.839

 77, 80.288, 1.839

 37, 80.288, 1.839

 87, 80.288, 1.839

 27, 80.288, 1.839

 97, 80.288, 1.839

 17, 80.288, 1.839


 7, 80.288, 1.839

 0, 80.288, 1.839

 57, 80.288, 1.839

 57, 80.288, 1.839

 55, 83.239, 5.845

 60, 74.687,
358.381

 54, 84.524, 9.213

63, 67.126,
355.791

68, 57.856,
353.728

73, 47.456,
352.047

79, 36.452,
350.643

85, 25.251,
349.439

91, 14.130,
348.378

98, 3.260, 347.331

100, 0.012,
296.813

Harmonies

Complementary

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



57, 80.288, 1.839



89, 75.330, 155.909

Rectangle

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



57, 80.288, 1.839



57, 80.288, 51.839



57, 80.288, 181.839



57, 80.288, 231.839

Sweetspot

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



57, 80.086, 1.676



84, 27.433, 349.660



48, 114.062, 313.817



42, 18.766, 350.075



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, 80.086, 1.676



54, 84.524, 9.213



56, 90.859, 36.707



50, 6.124, 348.024



41, 68.030, 8.258



10, 31.418, 1.714

Inverse Universe

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



57, 80.086, 1.676



54, 84.524, 9.213



88, 45.703, 203.666



50, 6.124, 348.024



41, 68.030, 8.258



10, 31.418, 1.714

Previews

White Background



This preview shows how the CIELCh color 57, 80.288, 1.839 looks on a white background.

Color Contrast Check

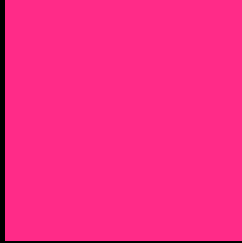
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.288, 1.839 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, 80.288, 1.839

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.288, 1.839.



This preview shows how white text looks on a background with the CIELCh color 57, 80.288, 1.839.

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, 80.152, 1.519

Protanopia

57, 30.400, 285.125

Deuteranopia

57, 9.696, 40.713



Tritanopia
57, 81.122, 31.444

Trichromacy



Original Color
57, 80.152, 1.519



Protanomaly
53, 45.136, 326.959



Deuteranomaly
54, 39.771, 359.992



Tritanomaly
56, 78.084, 20.748

Monochromacy



Original Color
57, 80.152, 1.519



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 36.076, 351.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.288, 1.839 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.288, 1.839 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, 136) }
```

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

```
.border{ border-color:rgb(255, 43, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.288, 1.839 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, 136) }
```

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

```
.background{ background-color: rgb(255, 43,  
136) }
```

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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