

Converting Colors

CIELCh(57, 80.398, 358.948)

Have a look what the booklet for
CIELCh(57, 80.398, 358.948)
contains.

CIELCh(57, 80.419, 359.232)	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, 80.419, 359.232)

Conversions

Conversions Part 1

Format	Color
Hex	FF2C8E
RGB	255, 44, 142
RGB Percent	100%, 17%, 56%
CMY	0.0011, 0.8290, 0.4440
CMYK	0.00, 0.83, 0.44, 0.00
HSL	332°, 100%, 58%
HSV	332°, 83%, 100%
XYZ	46.8857, 24.9227, 27.8398
YIQ	118.2610, 94.2980, 75.2100

Conversions

Conversions Part 2

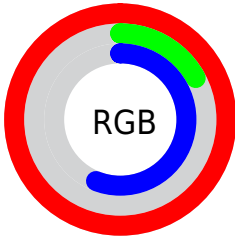
Format	Color
R_{YB}	255, 44, 142
Decimal	16723086
CIE _{Lab}	57.00, 80.41, -1.08
CIE _{LCh}	57, 80.419, 359.232
Yxy	24.9227, 0.4705, 0.2501
Android (android.graphics.Color)	4294913166 (0xFFFF2C8E)
YUV	118.2610, 11.7033, 119.9201
Hunter-Lab	49.9226, 80.2769, 1.8823

Details

The CIELCh color **57, 80.419, 359.232** 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, 77.403, 154.345**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 63.770, 345.547**, and **41, 68.273, 4.124** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.315, 3.128**, and if you desaturate by 10%, it is **60, 75.153, 356.161**.

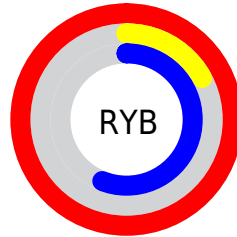
Distribution



Red (100%)

Green (17%)

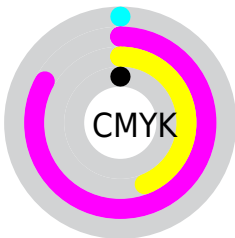
Blue (56%)



Red (100%)

Yellow (17%)

Blue (56%)

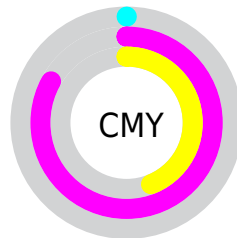


Cyan (0%)

Magenta (83%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 80.419, 359.232 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, 80.419, 359.232 by changing the saturation by 10% instead.


 57, 80.419,
359.232


 57, 80.419,
359.232


 100, 80.419,
359.232

 47, 80.419,
359.232

 77, 80.419,
359.232

 37, 80.419,
359.232

 87, 80.419,
359.232

 27, 80.419,
359.232

 97, 80.419,
359.232

 17, 80.419,
359.232

 7, 80.419, 359.232

 0, 80.419, 359.232

■ 57, 80.419,
359.232

■ 57, 80.419,
359.232

■ 55, 83.315, 3.128

■ 60, 75.153,
356.161

■ 55, 84.352, 6.380

■ 63, 67.643,
353.740

■ 68, 58.362,
351.801

■ 73, 47.900,
350.211

■ 79, 36.794,
348.872

■ 85, 25.459,
347.716

■ 91, 14.180,
346.690

■ 98, 3.132, 345.665

100, 0.099,
206.133

Harmonies

Complementary

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



57, 80.419, 359.232



89, 77.403, 154.345

Rectangle

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



57, 80.419, 359.232



57, 80.419, 49.232



57, 80.419, 179.232



57, 80.419, 229.232

Sweetspot

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



57, 80.415, 359.233



84, 27.890, 347.948



47, 114.060, 313.384



42, 19.071, 348.348



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, 80.415, 359.233



55, 84.273, 5.922



56, 91.149, 36.174



50, 6.237, 346.362



41, 68.013, 5.481



10, 31.583, 359.348

Inverse Universe

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



57, 80.415, 359.233



55, 84.273, 5.922



89, 46.507, 201.157



50, 6.237, 346.362



41, 68.013, 5.481



10, 31.583, 359.348

Previews

White Background



This preview shows how the CIELCh color 57, 80.419, 359.232 looks on a white background.

Color Contrast Check

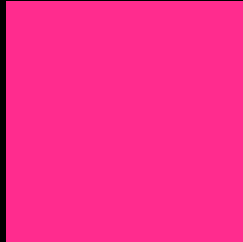
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.419, 359.232 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, 80.419, 359.232

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.419, 359.232.

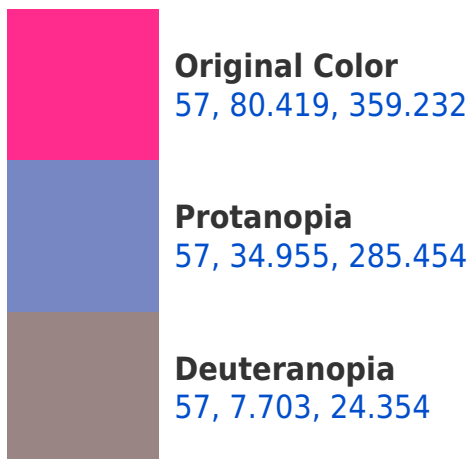


This preview shows how white text looks on a background with the CIELCh color 57, 80.419, 359.232.

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, 79.974, 30.804

Trichromacy



Original Color
57, 80.419, 359.232



Protanomaly
53, 48.022, 323.427



Deuteranomaly
54, 40.046, 354.670



Tritanomaly
57, 77.301, 19.283

Monochromacy



Original Color
57, 80.419, 359.232



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 36.504, 350.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.419, 359.232 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, 44, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 142)  
}
```

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, 44, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.419, 359.232 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, 44, 142) }
```

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

```
.border{ border-color:rgb(255, 44, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.419, 359.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 142) }
```

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

```
.background{ background-color: rgb(255, 44,  
142) }
```

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