

Converting Colors

CIELCh(63, 88.770, 9.720)

Have a look what the booklet for
CIELCh(63, 88.770, 9.720) contains.

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Color

CIELCh(57, 79.639, 4.004)

Conversions

Conversions Part 1

Format	Color
Hex	FF2D83
RGB	255, 45, 131
RGB Percent	100%, 18%, 51%
CMY	0.0000, 0.8230, 0.4878
CMYK	0.00, 0.82, 0.49, 0.00
HSL	336°, 100%, 59%
HSV	336°, 82%, 100%
XYZ	46.5422, 24.9227, 23.6963
YIQ	117.5940, 97.5540, 71.2660

Conversions

Conversions Part 2

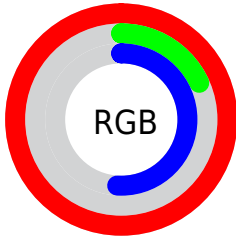
Format	Color
R_{YB}	255, 45, 131
Decimal	16723331
CIE _{Lab}	57.00, 79.44, 5.56
CIE _{LCh}	57, 79.639, 4.004
Yxy	24.9227, 0.4891, 0.2619
Android (android.graphics.Color)	4294913411 (0xFFFF2D83)
YUV	117.5940, 6.6092, 120.5051
Hunter-Lab	49.9226, 79.0487, 6.8032

Details

The CIELCh color **57, 79.639, 4.004** 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, 72.636, 157.797**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 61.194, 350.348**, and **41, 68.277, 9.186** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.076, 8.191**, and if you desaturate by 10%, it is **60, 73.654, 0.415**.

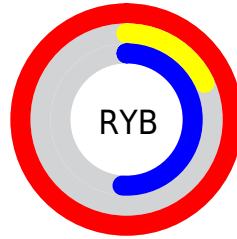
Distribution



Red (100%)

Green (18%)

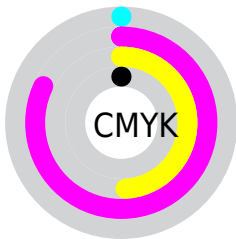
Blue (51%)



Red (100%)

Yellow (18%)

Blue (51%)

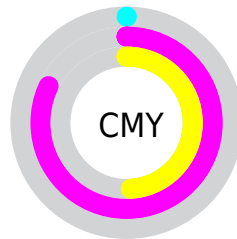


Cyan (0%)

Magenta (82%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (82%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 79.639, 4.004 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, 79.639, 4.004 by changing the saturation by 10% instead.

 57, 79.639, 4.004  57, 79.639, 4.004

 100, 79.639, 4.004  47, 79.639, 4.004

 77, 79.639, 4.004  37, 79.639, 4.004

 87, 79.639, 4.004  27, 79.639, 4.004

 97, 79.639, 4.004  17, 79.639, 4.004

 7, 79.639, 4.004

 0, 79.639, 4.004

 57, 79.639, 4.004  57, 79.639, 4.004

 55, 83.076, 8.191  60, 73.654, 0.415

 54, 84.877, 12.097  64, 65.839,

357.715

68, 56.440,
355.571

74, 46.017,
353.832

79, 35.079,
352.385

85, 24.010,
351.151

92, 13.068,
350.067

98, 2.409, 348.949

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, 79.639, 4.004



89, 72.636, 157.797

Rectangle

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



57, 79.639, 4.004



57, 79.639, 54.004



57, 79.639, 184.004



57, 79.639, 234.004

Sweetspot

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



57, 79.431, 3.851



84, 26.995, 351.467



49, 112.949, 314.734



42, 18.476, 351.896



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, 79.431, 3.851



54, 84.635, 11.586



57, 88.855, 37.588



50, 6.015, 349.781



41, 68.242, 11.095



10, 31.316, 4.166

Inverse Universe

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



57, 79.431, 3.851



54, 84.635, 11.586



86, 44.098, 208.911



50, 6.015, 349.781



41, 68.242, 11.095



10, 31.316, 4.166

Previews

White Background



This preview shows how the CIELCh color 57, 79.639, 4.004 looks on a white background.

Color Contrast Check

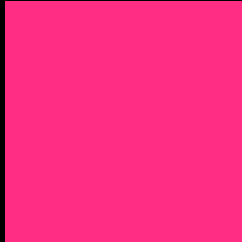
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.639, 4.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

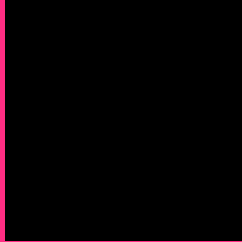
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 79.639, 4.004

Background



This preview shows how black text looks on a background with the CIELCh color 57, 79.639, 4.004.

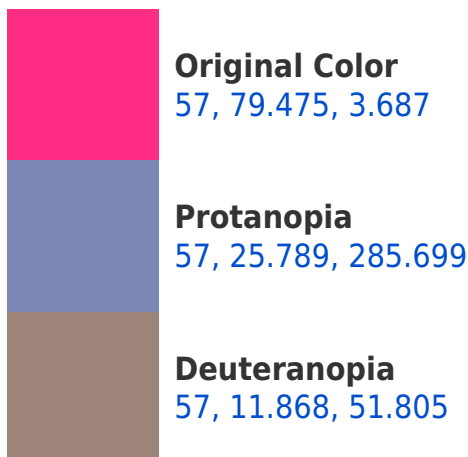


This preview shows how white text looks on a background with the CIELCh color 57, 79.639, 4.004.

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, 81.503, 31.491

Trichromacy



Original Color
57, 79.475, 3.687



Protanomaly
53, 42.489, 331.061



Deuteranomaly
54, 39.524, 5.098

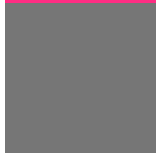


Tritanomaly
57, 78.535, 21.822

Monochromacy



Original Color
57, 79.475, 3.687



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 35.045, 354.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 79.639, 4.004 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, 45, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 131)  
}
```

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, 45, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 79.639, 4.004 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, 45, 131) }
```

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

```
.border{ border-color:rgb(255, 45, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 45, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 79.639, 4.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 131) }
```

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

```
.background{ background-color: rgb(255, 45,  
131) }
```

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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