

Converting Colors

CIELCh(58, 80.132, 356.473)

Have a look what the booklet for
CIELCh(58, 80.132, 356.473)
contains.

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Color

CIELCh(58, 80.051, 356.198)

Conversions

Conversions Part 1

Format	Color
Hex	FF3397
RGB	255, 51, 151
RGB Percent	100%, 20%, 59%
CMY	0.0000, 0.8009, 0.4060
CMYK	0.00, 0.80, 0.41, 0.00
HSL	330°, 100%, 60%
HSV	330°, 80%, 100%
XYZ	48.2420, 25.9610, 31.9440
YIQ	123.3960, 89.4840, 74.3480

Conversions

Conversions Part 2

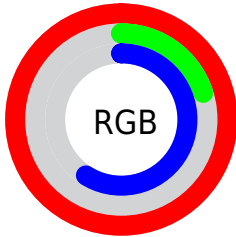
Format	Color
R_{YB}	255, 51, 151
Decimal	16724887
CIE _{Lab}	58.00, 79.87, -5.31
CIE _{LCh}	58, 80.051, 356.198
Yxy	25.9610, 0.4545, 0.2446
Android (android.graphics.Color)	4294914967 (0xFFFF3397)
YUV	123.3960, 13.6088, 115.4167
Hunter-Lab	50.9519, 79.8406, -1.5051

Details

The CIELCh color **58, 80.051, 356.198** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **89, 77.859, 153.438**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 64.469, 341.964**, and **41, 68.713, 0.153** is the 20% darker color. If you saturate the color by 10%, you get **56, 83.259, 359.480**, and if you desaturate by 10%, it is **61, 74.108, 353.399**.

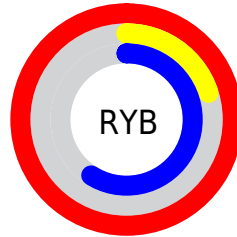
Distribution



Red (100%)

Green (20%)

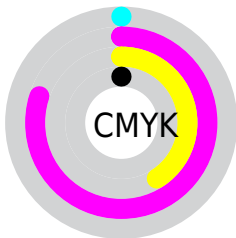
Blue (59%)



Red (100%)

Yellow (20%)

Blue (59%)

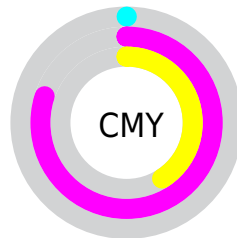


Cyan (0%)

Magenta (80%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.051, 356.198 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 58, 80.051, 356.198 by changing the saturation by 10% instead.


 58, 80.051,
356.198


 58, 80.051,
356.198


 100, 80.051,
356.198

 48, 80.051,
356.198


 78, 80.051,
356.198

 38, 80.051,
356.198

 88, 80.051,
356.198

 28, 80.051,
356.198

 98, 80.051,
356.198

 18, 80.051,
356.198

 8, 80.051, 356.198

 0, 80.051, 356.198

■ 58, 80.051,
356.198

■ 58, 80.051,
356.198

■ 56, 83.259,
359.480

■ 61, 74.108,
353.399

■ 55, 84.559, 3.622

■ 65, 66.071,
351.272

■ 70, 56.359,
349.548

■ 75, 45.571,
348.113

■ 81, 34.227,
346.886

■ 87, 22.712,
345.813

■ 93, 11.287,
344.844

100, 0.111,

339.600

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.



58, 80.051, 356.198



89, 77.859, 153.438

Rectangle

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



58, 80.051, 356.198



58, 80.051, 46.198



58, 80.051, 176.198



58, 80.051, 226.198

Sweetspot

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



58, 79.925, 356.078



85, 27.212, 346.217



47, 112.019, 312.566



43, 18.734, 346.602



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 79.925, 356.078



55, 84.145, 1.887



56, 89.348, 34.305



50, 6.353, 344.789



41, 68.179, 2.777



10, 31.805, 357.069

Inverse Universe

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



58, 79.925, 356.078



55, 84.145, 1.887



91, 47.978, 196.509



50, 6.353, 344.789



41, 68.179, 2.777



10, 31.805, 357.069

Previews

White Background



This preview shows how the CIELCh color 58, 80.051, 356.198 looks on a white background.

Color Contrast Check

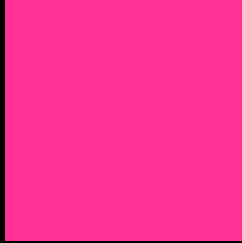
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 80.051, 356.198 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 58, 80.051, 356.198

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.051, 356.198.

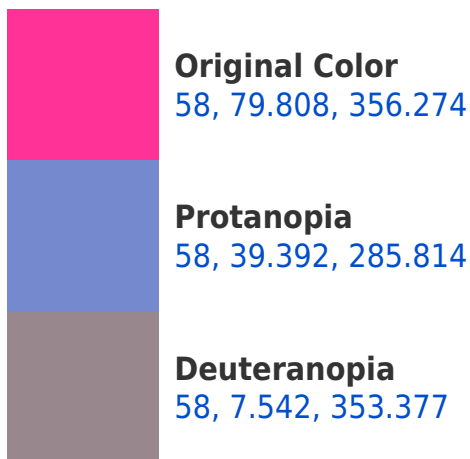


This preview shows how white text looks on a background with the CIELCh color 58, 80.051, 356.198.

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
58, 76.393, 29.727

Trichromacy



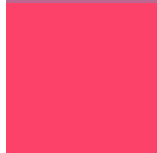
Original Color
58, 79.808, 356.274



Protanomaly
54, 50.108, 319.498



Deuteranomaly
55, 39.743, 349.322

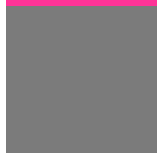


Tritanomaly
58, 74.438, 17.297

Monochromacy



Original Color
58, 79.808, 356.274



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 35.379, 348.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.051, 356.198 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, 51, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 151)  
}
```

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, 51, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.051, 356.198 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, 51, 151) }
```

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

```
.border{ border-color:rgb(255, 51, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.051, 356.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 151) }
```

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

```
.background{ background-color: rgb(255, 51,  
151) }
```

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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