

Converting Colors

CIELCh(58, 79.118, 358.648)

Have a look what the booklet for
CIELCh(58, 79.118, 358.648)
contains.

CIELCh(58, 78.985, 358.301)	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(58, 78.985, 358.301)

Conversions

Conversions Part 1

Format	Color
Hex	FF3592
RGB	255, 53, 146
RGB Percent	100%, 21%, 57%
CMY	0.0000, 0.7934, 0.4258
CMYK	0.00, 0.79, 0.43, 0.00
HSL	332°, 100%, 60%
HSV	332°, 79%, 100%
XYZ	47.9073, 25.9610, 29.8523
YIQ	124.0000, 90.5390, 71.7470

Conversions

Conversions Part 2

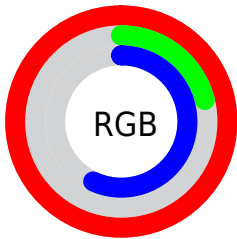
Format	Color
R _Y B	255, 53, 146
Decimal	16725394
CIE _{Lab}	58.00, 78.95, -2.34
CIE _{LCh}	58, 78.985, 358.301
Yxy	25.9610, 0.4619, 0.2503
Android (android.graphics.Color)	4294915474 (0xFFFF3592)
YUV	124.0000, 10.8460, 114.8870
Hunter-Lab	50.9519, 78.6680, 0.9288

Details

The CIELCh color **58, 78.985, 358.301** 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, 75.110, 155.171**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 62.549, 344.074**, and **41, 68.445, 2.126** is the 20% darker color. If you saturate the color by 10%, you get **56, 82.592, 1.795**, and if you desaturate by 10%, it is **61, 72.755, 355.360**.

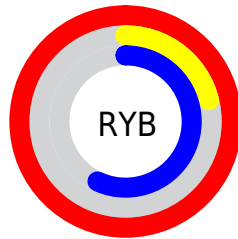
Distribution



Red (100%)

Green (21%)

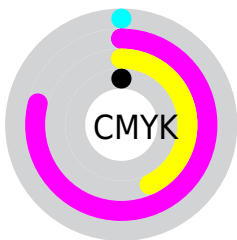
Blue (57%)



Red (100%)

Yellow (21%)

Blue (57%)

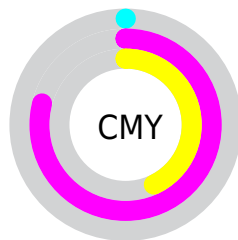


Cyan (0%)

Magenta (79%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 78.985, 358.301 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, 78.985, 358.301 by changing the saturation by 10% instead.


 58, 78.985,
358.301


 58, 78.985,
358.301


 100, 78.985,
358.301


 48, 78.985,
358.301


 78, 78.985,
358.301

 38, 78.985,
358.301

 88, 78.985,
358.301

 28, 78.985,
358.301

 98, 78.985,
358.301

 18, 78.985,
358.301

 8, 78.985, 358.301

 0, 78.985, 358.301

■ 58, 78.985,
358.301

■ 58, 78.985,
358.301

■ 56, 82.592, 1.795

■ 61, 72.755,
355.360

■ 55, 84.321, 6.242

■ 65, 64.544,
353.119

■ 55, 84.423, 6.547

■ 70, 54.771,
351.311

■ 75, 44.021,
349.814

■ 81, 32.791,
348.543

■ 87, 21.448,
347.436

■ 94, 10.236,
346.441

100, 0.012,

Harmonies

Complementary

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



58, 78.985, 358.301



89, 75.110, 155.171

Rectangle

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



58, 78.985, 358.301



58, 78.985, 48.301



58, 78.985, 178.301



58, 78.985, 228.301

Sweetspot

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



58, 78.861, 358.193



85, 26.727, 347.935



49, 110.862, 313.435



43, 18.408, 348.336



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, 78.861, 358.193



55, 83.718, 4.228



57, 87.400, 35.051



50, 6.230, 346.457



41, 68.009, 5.641



10, 31.572, 359.483

Inverse Universe

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



58, 78.861, 358.193



55, 83.718, 4.228



90, 45.947, 201.051



50, 6.230, 346.457



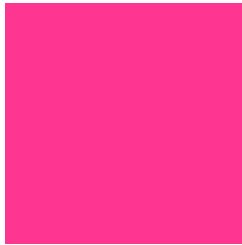
41, 68.009, 5.641



10, 31.572, 359.483

Previews

White Background



This preview shows how the CIELCh color 58, 78.985, 358.301 looks on a white background.

Color Contrast Check

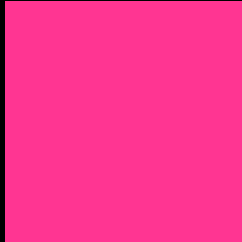
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.985, 358.301 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, 78.985, 358.301

Background



This preview shows how black text looks on a background with the CIELCh color 58, 78.985, 358.301.

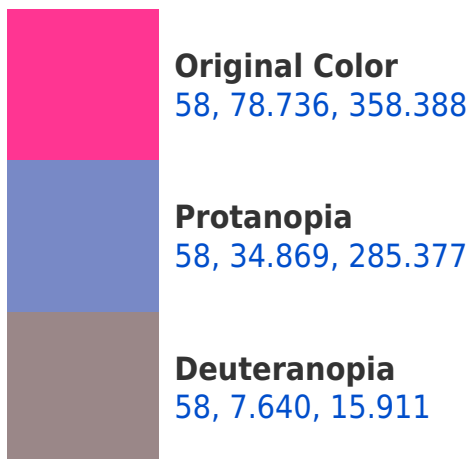


This preview shows how white text looks on a background with the CIELCh color 58, 78.985, 358.301.

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](#).

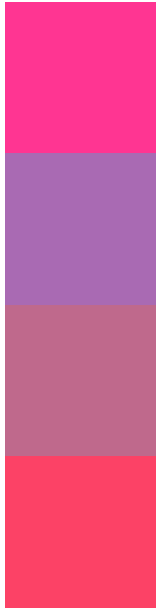
Dichromacy





Tritanopia
58, 76.780, 29.779

Trichromacy



Original Color
58, 78.736, 358.388

Protanomaly
54, 46.995, 322.502

Deuteranomaly
55, 38.704, 354.170

Tritanomaly
58, 74.661, 18.150

Monochromacy



Original Color
58, 78.736, 358.388

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 34.850, 350.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 78.985, 358.301 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, 53, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 146)  
}
```

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, 53, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 78.985, 358.301 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, 53, 146) }
```

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

```
.border{ border-color:rgb(255, 53, 146) }
```

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

Here you see how a box with a 4 pixel rgb(255, 53, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 78.985, 358.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 146) }
```

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

```
.background{ background-color: rgb(255, 53,  
146) }
```

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