

Converting Colors

CIELCh(58, 75.901, 2.877)

Have a look what the booklet for
CIELCh(58, 75.901, 2.877) contains.

CIELCh(58, 76.120, 2.857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 76.120, 2.857)

Conversions

Conversions Part 1

Format	Color
Hex	FE3B88
RGB	254, 59, 136
RGB Percent	100%, 23%, 53%
CMY	0.0041, 0.7688, 0.4668
CMYK	0.00, 0.77, 0.46, 0.00
HSL	336°, 99%, 61%
HSV	336°, 77%, 100%
XYZ	46.8586, 25.9610, 25.8196
YIQ	126.0830, 91.5030, 65.2870

Conversions

Conversions Part 2

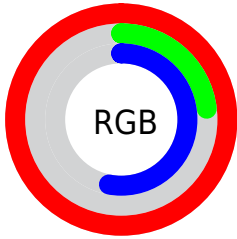
Format	Color
R_{YB}	254, 59, 136
Decimal	16661384
CIE _{Lab}	58.00, 76.03, 3.79
CIE _{LCh}	58, 76.120, 2.857
Yxy	25.9610, 0.4751, 0.2632
Android (android.graphics.Color)	4294851464 (0xFFFE3B88)
YUV	126.0830, 4.8891, 112.1832
Hunter-Lab	50.9519, 74.9941, 5.6215

Details

The CIELCh color **58, 76.120, 2.857** 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, 68.278, 159.688**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 57.764, 349.554**, and **41, 67.932, 6.398** is the 20% darker color. If you saturate the color by 10%, you get **56, 81.029, 6.771**, and if you desaturate by 10%, it is **61, 69.120, 359.781**.

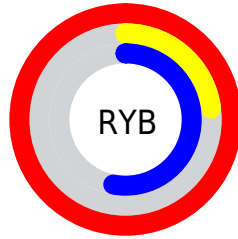
Distribution



Red (100%)

Green (23%)

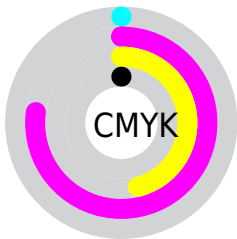
Blue (53%)



Red (100%)

Yellow (23%)

Blue (53%)

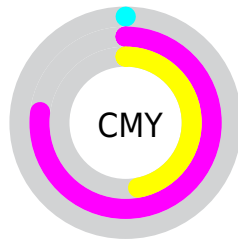


Cyan (0%)

Magenta (77%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (77%)

Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 76.120, 2.857 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, 76.120, 2.857 by changing the saturation by 10% instead.

 58, 76.120, 2.857  58, 76.120, 2.857

 100, 76.120, 2.857  48, 76.120, 2.857

 78, 76.120, 2.857  38, 76.120, 2.857

 88, 76.120, 2.857  28, 76.120, 2.857

 98, 76.120, 2.857  18, 76.120, 2.857

 8, 76.120, 2.857

 0, 76.120, 2.857

 58, 76.120, 2.857  58, 76.120, 2.857

 56, 81.029, 6.771  61, 69.120,
359.781

 54, 84.021, 11.635

■ 54, 84.838, 13.312

■ 66, 60.357,
357.355

■ 71, 50.356,
355.411

■ 76, 39.653,
353.817

■ 82, 28.685,
352.475

■ 89, 17.759,
351.318

■ 95, 7.068, 350.271

■ 100, 0.363,
201.207

Harmonies

Complementary

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



58, 76.120, 2.857



89, 68.278, 159.688

Rectangle

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



58, 76.120, 2.857



58, 76.120, 52.857



58, 76.120, 182.857



58, 76.120, 232.857

Sweetspot

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



58, 76.116, 2.858



85, 24.616, 352.020



51, 107.283, 315.287



43, 17.104, 352.455



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, 76.116, 2.858



55, 83.057, 9.200



59, 81.608, 36.935



50, 5.970, 350.553



41, 68.392, 12.306



10, 31.293, 5.225

Inverse Universe

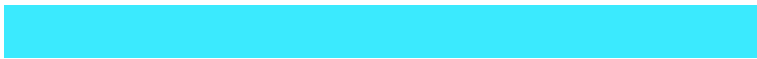
The Inverse Universe completely reimagines the original color for something new.



58, 76.116, 2.858



55, 83.057, 9.200



86, 42.426, 211.012



50, 5.970, 350.553



41, 68.392, 12.306



10, 31.293, 5.225

Previews

White Background



This preview shows how the CIELCh color 58, 76.120, 2.857 looks on a white background.

Color Contrast Check

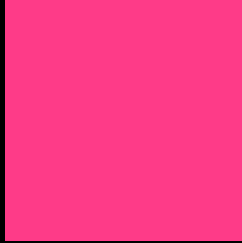
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.120, 2.857 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, 76.120, 2.857

Background



This preview shows how black text looks on a background with the CIELCh color 58, 76.120, 2.857.



This preview shows how white text looks on a background with the CIELCh color 58, 76.120, 2.857.

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

58, 76.120, 2.857

Protanopia

58, 25.132, 285.366

Deuteranopia

58, 10.819, 48.140



Tritanopia
58, 76.551, 29.407

Trichromacy



Original Color
58, 76.120, 2.857



Protanomaly
55, 39.626, 330.704



Deuteranomaly
56, 36.897, 3.956



Tritanomaly
58, 74.279, 19.995

Monochromacy



Original Color
58, 76.120, 2.857



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 32.397, 354.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 76.120, 2.857 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(254, 59, 136)` looks like.

```
.text, #text, p{  
    color:rgb(254, 59, 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(254, 59, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 59, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 76.120, 2.857 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(254, 59, 136) }
```

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

```
.border{ border-color:rgb(254, 59, 136) }
```

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

Here you see how a box with a 4 pixel rgb(254, 59, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 59, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 59, 136);  
box-shadow:4px 4px 4px 4px rgb(254, 59,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 76.120, 2.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 59, 136) }
```

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

```
.background{ background-color: rgb(254, 59,  
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](#).

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