

Converting Colors

CIELCh(58, 78.226, 1.903)

Have a look what the booklet for
CIELCh(58, 78.226, 1.903) contains.

CIELCh(58, 77.802, 1.694)	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, 77.802, 1.694)

Conversions

Conversions Part 1

Format	Color
Hex	FF378B
RGB	255, 55, 139
RGB Percent	100%, 22%, 55%
CMY	0.0000, 0.7848, 0.4566
CMYK	0.00, 0.78, 0.46, 0.00
HSL	335°, 100%, 61%
HSV	335°, 78%, 100%
XYZ	47.4816, 25.9610, 26.7658
YIQ	124.3760, 92.2360, 68.5240

Conversions

Conversions Part 2

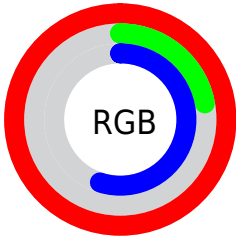
Format	Color
R_{YB}	255, 55, 139
Decimal	16725899
CIE _{Lab}	58.00, 77.77, 2.30
CIE _{LCh}	58, 77.802, 1.694
Yxy	25.9610, 0.4738, 0.2591
Android (android.graphics.Color)	4294915979 (0xFFFF378B)
YUV	124.3760, 7.2096, 114.5572
Hunter-Lab	50.9519, 77.1764, 4.5204

Details

The CIELCh color **58, 77.802, 1.694** 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 **90, 71.209, 157.927**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 59.991, 347.665**, and **41, 68.208, 5.636** is the 20% darker color. If you saturate the color by 10%, you get **56, 81.948, 5.451**, and if you desaturate by 10%, it is **61, 71.095, 358.489**.

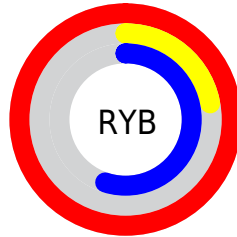
Distribution



Red (100%)

Green (22%)

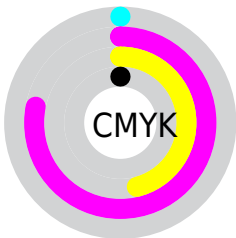
Blue (55%)



Red (100%)

Yellow (22%)

Blue (55%)

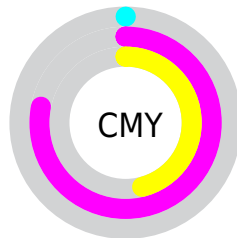


Cyan (0%)

Magenta (78%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (78%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.802, 1.694 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, 77.802, 1.694 by changing the saturation by 10% instead.

 58, 77.802, 1.694

 58, 77.802, 1.694

 100, 77.802, 1.694

 48, 77.802, 1.694

 78, 77.802, 1.694

 38, 77.802, 1.694

 88, 77.802, 1.694

 28, 77.802, 1.694

 98, 77.802, 1.694

 18, 77.802, 1.694

 8, 77.802, 1.694

 0, 77.802, 1.694

 58, 77.802, 1.694

 58, 77.802, 1.694

 56, 81.948, 5.451

 61, 71.095,
358.489

 54, 84.380, 10.262

■ 54, 84.716, 11.026

■ 65, 62.641,
356.072

■ 70, 52.787,
354.136

■ 76, 42.093,
352.546

■ 82, 31.028,
351.208

■ 88, 19.930,
350.052

■ 94, 9.019, 349.017

■ 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, 77.802, 1.694



90, 71.209, 157.927

Rectangle

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



58, 77.802, 1.694



58, 77.802, 51.694



58, 77.802, 181.694



58, 77.802, 231.694

Sweetspot

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



58, 77.621, 1.554



84, 26.043, 350.671



50, 109.640, 314.341



43, 17.949, 351.095



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, 77.621, 1.554



55, 83.455, 8.006



58, 85.187, 35.978



50, 6.055, 349.120



41, 68.140, 10.040



10, 31.346, 3.250

Inverse Universe

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



58, 77.621, 1.554



55, 83.455, 8.006



88, 44.179, 205.929



50, 6.055, 349.120



41, 68.140, 10.040



10, 31.346, 3.250

Previews

White Background



This preview shows how the CIELCh color 58, 77.802, 1.694 looks on a white background.

Color Contrast Check

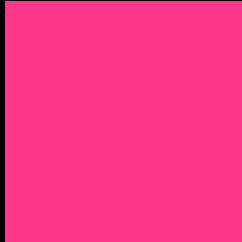
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.802, 1.694 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, 77.802, 1.694

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.802, 1.694.



This preview shows how white text looks on a background with the CIELCh color 58, 77.802, 1.694.

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, 77.619, 1.388

Protanopia

58, 28.028, 284.614

Deuteranopia

58, 9.854, 36.896

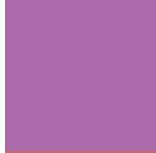


Tritanopia
58, 77.240, 29.923

Trichromacy



Original Color
58, 77.619, 1.388



Protanomaly
54, 41.610, 327.757



Deuteranomaly
55, 38.135, 1.265



Tritanomaly
58, 75.031, 19.419

Monochromacy



Original Color
58, 77.619, 1.388



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 33.590, 353.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.802, 1.694 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, 55, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 139)  
}
```

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, 55, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.802, 1.694 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, 55, 139) }
```

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

```
.border{ border-color:rgb(255, 55, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 55, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.802, 1.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 139) }
```

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

```
.background{ background-color: rgb(255, 55,  
139) }
```

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