

Converting Colors

CIELCh(58, 78.025, 1.013)

Have a look what the booklet for
CIELCh(58, 78.025, 1.013) contains.

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Color

CIELCh(58, 77.945, 0.882)

Conversions

Conversions Part 1

Format	Color
Hex	FF378C
RGB	255, 55, 140
RGB Percent	100%, 22%, 55%
CMY	0.0000, 0.7857, 0.4493
CMYK	0.00, 0.79, 0.45, 0.00
HSL	334°, 100%, 61%
HSV	334°, 79%, 100%
XYZ	47.5418, 25.9610, 27.4771
YIQ	124.4900, 91.9150, 68.8350

Conversions

Conversions Part 2

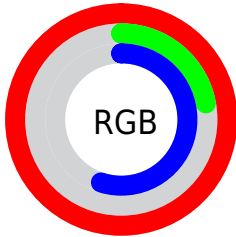
Format	Color
R _Y B	255, 55, 140
Decimal	16725900
CIE Lab	58.00, 77.94, 1.20
CIE LCh	58, 77.945, 0.882
Yxy	25.9610, 0.4708, 0.2571
Android (android.graphics.Color)	4294915980 (0xFFFF378C)
YUV	124.4900, 7.6464, 114.4573
Hunter-Lab	50.9519, 77.3875, 3.6927

Details

The CIELCh color **58, 77.945, 0.882** 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, 71.990, 157.324**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.232, 347.216**, and **41, 68.223, 5.131** is the 20% darker color. If you saturate the color by 10%, you get **56, 82.025, 4.604**, and if you desaturate by 10%, it is **61, 71.360, 357.768**.

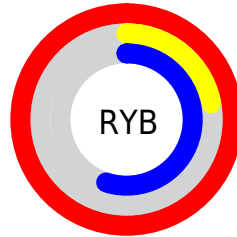
Distribution



Red (100%)

Green (22%)

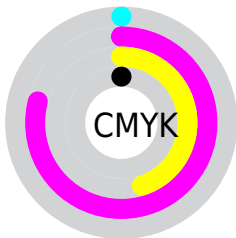
Blue (55%)



Red (100%)

Yellow (22%)

Blue (55%)

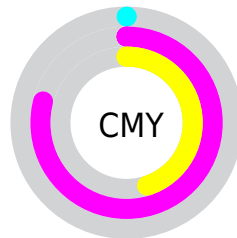


Cyan (0%)

Magenta (79%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (79%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.945, 0.882 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, 77.945, 0.882 by changing the saturation by 10% instead.

 58, 77.945, 0.882  58, 77.945, 0.882

 100, 77.945, 0.882  48, 77.945, 0.882

 78, 77.945, 0.882  38, 77.945, 0.882



 88, 77.945, 0.882  28, 77.945, 0.882

 98, 77.945, 0.882  18, 77.945, 0.882

 8, 77.945, 0.882

 0, 77.945, 0.882

 58, 77.945, 0.882  58, 77.945, 0.882

 56, 82.025, 4.604  61, 71.360,
357.768

 55, 84.305, 9.335

54, 84.600, 10.044

65, 62.946,
355.394

70, 53.101,
353.489

76, 42.390,
351.922

82, 31.289,
350.599

88, 20.140,
349.456

94, 9.167, 348.429

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, 77.945, 0.882



89, 71.990, 157.324

Rectangle

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



58, 77.945, 0.882



58, 77.945, 50.882



58, 77.945, 180.882



58, 77.945, 230.882

Sweetspot

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



58, 77.812, 0.777



84, 26.187, 350.058



50, 109.724, 314.340



43, 18.045, 350.478



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, 77.812, 0.777



55, 83.433, 7.075



58, 85.286, 36.001



50, 6.092, 348.523



41, 68.071, 9.075



10, 31.382, 2.416

Inverse Universe

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



58, 77.812, 0.777



55, 83.433, 7.075



88, 44.194, 205.935



50, 6.092, 348.523



41, 68.071, 9.075



10, 31.382, 2.416

Previews

White Background



This preview shows how the CIELCh color 58, 77.945, 0.882 looks on a white background.

Color Contrast Check

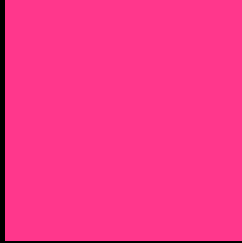
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.945, 0.882 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, 77.945, 0.882

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.945, 0.882.



This preview shows how white text looks on a background with the CIELCh color 58, 77.945, 0.882.

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, 77.692, 0.981

Protanopia

58, 29.732, 284.775

Deuteranopia

58, 8.853, 34.946



Tritanopia
58, 77.240, 29.923

Trichromacy



Original Color
58, 77.692, 0.981



Protanomaly
55, 42.934, 326.408



Deuteranomaly
55, 37.506, 359.765



Tritanomaly
58, 75.031, 19.419

Monochromacy



Original Color
58, 77.692, 0.981



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 33.804, 352.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.945, 0.882 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.945, 0.882 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, 140) }
```

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

```
.border{ border-color:rgb(255, 55, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.945, 0.882 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, 140) }
```

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

```
.background{ background-color: rgb(255, 55,  
140) }
```

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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