

Converting Colors

CIELCh(57, 78.575, 7.475)

Have a look what the booklet for
CIELCh(57, 78.575, 7.475) contains.

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Color

CIELCh(57, 78.456, 7.340)

Conversions

Conversions Part 1

Format	Color
Hex	FF317B
RGB	255, 49, 123
RGB Percent	100%, 19%, 48%
CMY	0.0000, 0.8072, 0.5173
CMYK	0.00, 0.81, 0.52, 0.00
HSL	338°, 100%, 60%
HSV	338°, 81%, 100%
XYZ	45.9666, 24.9227, 21.1559
YIQ	119.0300, 99.0220, 66.6860

Conversions

Conversions Part 2

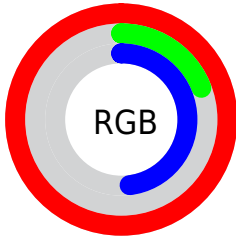
Format	Color
R_{YB}	255, 49, 123
Decimal	16724347
CIE _{Lab}	57.00, 77.81, 10.02
CIE _{LCh}	57, 78.456, 7.340
Yxy	24.9227, 0.4994, 0.2708
Android (android.graphics.Color)	4294914427 (0xFFFF317B)
YUV	119.0300, 1.9572, 119.2457
Hunter-Lab	49.9226, 76.9904, 9.8203

Details

The CIELCh color **57, 78.456, 7.340** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **90, 68.149, 161.217**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 58.527, 355.031**, and **41, 68.356, 12.516** is the 20% darker color. If you saturate the color by 10%, you get **55, 82.996, 11.854**, and if you desaturate by 10%, it is **60, 71.908, 3.718**.

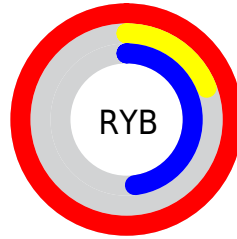
Distribution



Red (100%)

Green (19%)

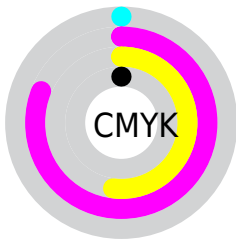
Blue (48%)



Red (100%)

Yellow (19%)

Blue (48%)

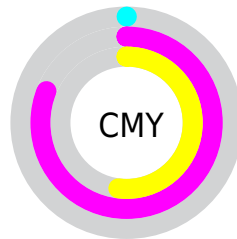


Cyan (0%)

Magenta (81%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (81%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 78.456, 7.340 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 57, 78.456, 7.340 by changing the saturation by 10% instead.

 57, 78.456, 7.340  57, 78.456, 7.340

 100, 78.456, 7.340  47, 78.456, 7.340

 77, 78.456, 7.340  37, 78.456, 7.340

 87, 78.456, 7.340  27, 78.456, 7.340

 97, 78.456, 7.340  17, 78.456, 7.340

 7, 78.456, 7.340

 0, 78.456, 7.340

 57, 78.456, 7.340  57, 78.456, 7.340

 55, 82.996, 11.854  60, 71.908, 3.718

 54, 86.012, 16.812  64, 63.589, 0.888

69, 53.915,
358.646

74, 43.417,
356.836

80, 32.565,
355.340

86, 21.700,
354.072

93, 11.047,
352.963

100, 0.733,
351.313

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.



57, 78.456, 7.340



90, 68.149, 161.217

Rectangle

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



57, 78.456, 7.340



57, 78.456, 57.340



57, 78.456, 187.340



57, 78.456, 237.340

Sweetspot

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



57, 78.420, 7.321



84, 25.250, 354.467



51, 110.984, 316.183



43, 17.422, 354.919



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 78.420, 7.321



54, 85.047, 15.186



59, 85.110, 39.239



50, 5.847, 352.834



40, 69.023, 15.752



10, 31.295, 8.253

Inverse Universe

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



57, 78.420, 7.321



54, 85.047, 15.186



84, 42.296, 217.253



50, 5.847, 352.834



40, 69.023, 15.752



10, 31.295, 8.253

Previews

White Background



This preview shows how the CIELCh color 57, 78.456, 7.340 looks on a white background.

Color Contrast Check

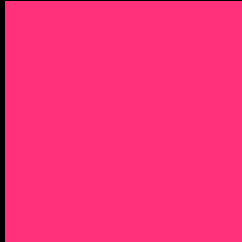
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 78.456, 7.340 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 57, 78.456, 7.340

Background



This preview shows how black text looks on a background with the CIELCh color 57, 78.456, 7.340.



This preview shows how white text looks on a background with the CIELCh color 57, 78.456, 7.340.

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

57, 78.456, 7.340

Protanopia

57, 18.917, 284.926

Deuteranopia

57, 15.914, 62.488



Tritanopia
57, 81.503, 31.491

Trichromacy



Original Color
57, 78.456, 7.340



Protanomaly
53, 38.021, 338.380



Deuteranomaly
54, 39.131, 12.404



Tritanomaly
57, 78.826, 23.167

Monochromacy



Original Color
57, 78.456, 7.340



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 33.368, 357.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 78.456, 7.340 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, 49, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 123)  
}
```

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, 49, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 78.456, 7.340 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, 49, 123) }
```

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

```
.border{ border-color:rgb(255, 49, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 49, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 78.456, 7.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 123) }
```

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

```
.background{ background-color: rgb(255, 49,  
123) }
```

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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