

Converting Colors

CIELCh(76, 78.074, 20.686)

Have a look what the booklet for
CIELCh(76, 78.074, 20.686) contains.

CIELCh(67, 55.351, 14.047)	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(67, 55.351, 14.047)

Conversions

Conversions Part 1

Format	Color
Hex	FF788E
RGB	255, 120, 142
RGB Percent	100%, 47%, 56%
CMY	0.0000, 0.5312, 0.4451
CMYK	0.00, 0.53, 0.45, 0.00
HSL	350°, 100%, 73%
HSV	350°, 53%, 100%
XYZ	52.9656, 36.6320, 29.6740
YIQ	162.8730, 73.3980, 35.4620

Conversions

Conversions Part 2

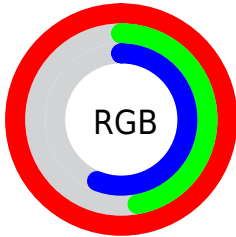
Format	Color
R _Y B	255, 120, 142
Decimal	16742542
CIE Lab	67.00, 53.70, 13.43
CIE LCh	67, 55.351, 14.047
Yxy	36.6320, 0.4441, 0.3071
Android (android.graphics.Color)	4294932622 (0xFFFF788E)
YUV	162.8730, -10.2904, 80.7954
Hunter-Lab	60.5244, 50.2898, 13.2982

Details

The CIELCh color **67, 55.351, 14.047** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **92, 42.316, 181.104**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 31.573, 2.836**, and **47, 54.897, 13.866** is the 20% darker color. If you saturate the color by 10%, you get **62, 65.696, 16.785**, and if you desaturate by 10%, it is **72, 44.189, 11.748**.

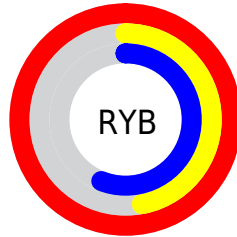
Distribution



Red (100%)

Green (47%)

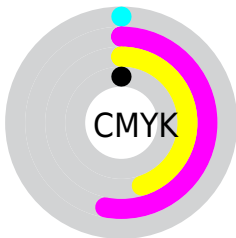
Blue (56%)



Red (100%)

Yellow (47%)

Blue (56%)

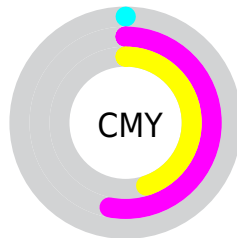


Cyan (0%)

Magenta (53%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 55.351, 14.047 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 67, 55.351, 14.047 by changing the saturation by 10% instead.

67, 55.351, 14.047

67, 55.351, 14.047

100, 55.351,
14.047

57, 55.351, 14.047

87, 55.351, 14.047

47, 55.351, 14.047

97, 55.351, 14.047

37, 55.351, 14.047

27, 55.351, 14.047

17, 55.351, 14.047

7, 55.351, 14.047

0, 55.351, 14.047

67, 55.351, 14.047

67, 55.351, 14.047

62, 65.696, 16.785

72, 44.189, 11.748

■ 58, 75.505, 20.351

■ 78, 33.280, 9.987

■ 56, 84.236, 24.735

■ 85, 22.666, 8.562

■ 54, 91.774, 29.776

■ 91, 12.511, 7.378

■ 53, 96.347, 33.233

■ 98, 2.893, 6.240

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.



67, 55.351, 14.047



92, 42.316, 181.104

Rectangle

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



67, 55.351, 14.047



67, 55.351, 64.047



67, 55.351, 194.047



67, 55.351, 244.047

Sweetspot

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



67, 55.120, 13.966



89, 15.380, 7.700



68, 79.850, 322.074



46, 10.444, 7.938



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 55.120, 13.966



62, 66.594, 17.066



76, 47.006, 52.162



50, 5.364, 6.987



40, 76.856, 32.285



10, 32.208, 20.503

Inverse Universe

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



67, 55.120, 13.966



62, 66.594, 17.066



80, 33.794, 243.959



50, 5.364, 6.987



40, 76.856, 32.285



10, 32.208, 20.503

Previews

White Background



This preview shows how the CIELCh color 67, 55.351, 14.047 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 67, 55.351, 14.047 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 55.351, 14.047

Background



This preview shows how black text looks on a background with the CIELCh color 67, 55.351, 14.047.

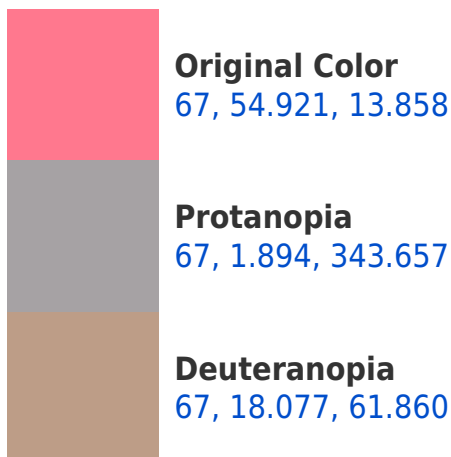


This preview shows how white text looks on a background with the CIELCh color 67, 55.351, 14.047.

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
67, 54.654, 21.313

Trichromacy



Original Color
67, 54.921, 13.858



Protanomaly
66, 20.738, 7.765



Deuteranomaly
66, 29.387, 28.569



Tritanomaly
67, 54.622, 18.651

Monochromacy



Original Color
67, 54.921, 13.858



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 19.874, 8.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 55.351, 14.047 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, 120, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 142)  
}
```

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, 120, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 55.351, 14.047 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, 120, 142) }
```

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

```
.border{ border-color:rgb(255, 120, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 55.351, 14.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 142) }
```

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

```
.background{ background-color: rgb(255,  
120, 142) }
```

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