

Converting Colors

CIELCh(68, 57.160, 355.633)

Have a look what the booklet for
CIELCh(68, 57.160, 355.633)
contains.

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Color

CIELCh(68, 57.080, 355.691)

Conversions

Conversions Part 1

Format	Color
Hex	FF78AF
RGB	255, 120, 175
RGB Percent	100%, 47%, 69%
CMY	0.0000, 0.5279, 0.3123
CMYK	0.00, 0.53, 0.31, 0.00
HSL	335°, 100%, 74%
HSV	335°, 53%, 100%
XYZ	55.9283, 37.9720, 45.1279
YIQ	166.6350, 62.8050, 45.7250

Conversions

Conversions Part 2

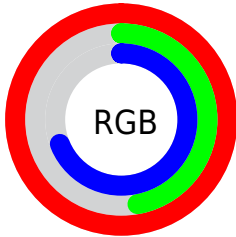
Format	Color
R _Y B	255, 120, 175
Decimal	16742575
CIE Lab	68.00, 56.92, -4.29
CIE LCh	68, 57.080, 355.691
Yxy	37.9720, 0.4023, 0.2731
Android (android.graphics.Color)	4294932655 (0xFFFF78AF)
YUV	166.6350, 4.1239, 77.4961
Hunter-Lab	61.6215, 54.1711, -0.2855

Details

The CIELCh color **68, 57.080, 355.691** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **92, 51.788, 162.975**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 39.832, 337.281**, and **48, 57.190, 355.510** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.286, 357.753**, and if you desaturate by 10%, it is **73, 46.567, 353.837**.

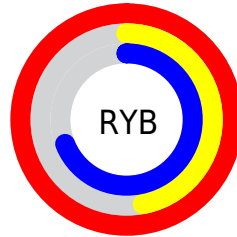
Distribution



Red (100%)

Green (47%)

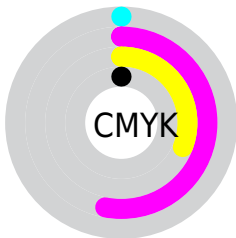
Blue (69%)



Red (100%)

Yellow (47%)

Blue (69%)

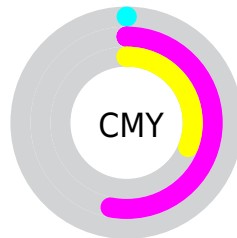


Cyan (0%)

Magenta (53%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 57.080, 355.691 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 68, 57.080, 355.691 by changing the saturation by 10% instead.


 68, 57.080,
355.691


 68, 57.080,
355.691


 100, 57.080,
355.691


 58, 57.080,
355.691


 88, 57.080,
355.691

 48, 57.080,
355.691

 98, 57.080,
355.691

 38, 57.080,
355.691

 28, 57.080,
355.691

 18, 57.080,
355.691

 8, 57.080, 355.691

 0, 57.080, 355.691

68, 57.080,
355.691

68, 57.080,
355.691

63, 66.286,
357.753

73, 46.567,
353.837

60, 74.005, 0.479

79, 35.641,
352.380

57, 79.667, 3.949

85, 24.566,
351.138

55, 83.201, 8.327

54, 84.859, 11.988

92, 13.608,
350.050

98, 2.925, 348.965

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.



68, 57.080, 355.691



92, 51.788, 162.975

Rectangle

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



68, 57.080, 355.691



68, 57.080, 45.691



68, 57.080, 175.691



68, 57.080, 225.691

Sweetspot

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



68, 56.953, 355.590



89, 17.101, 350.387



64, 77.337, 314.318



46, 11.577, 350.608



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 56.953, 355.590



63, 66.466, 357.804



69, 53.496, 31.141



50, 6.019, 349.714



41, 68.230, 10.988



10, 31.319, 4.073

Inverse Universe

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



68, 56.953, 355.590



63, 66.466, 357.804



90, 35.302, 206.886



50, 6.019, 349.714



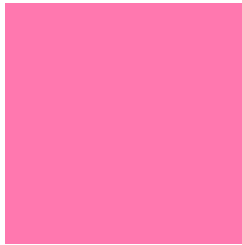
41, 68.230, 10.988



10, 31.319, 4.073

Previews

White Background



This preview shows how the CIELCh color 68, 57.080, 355.691 looks on a white background.

Color Contrast Check

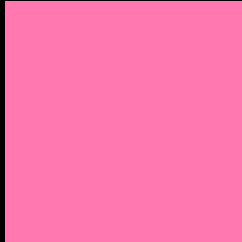
Large Text (above 18pt) WCAG AA × Fail

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 68, 57.080, 355.691 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 68, 57.080, 355.691

Background



This preview shows how black text looks on a background with the CIELCh color 68, 57.080, 355.691.

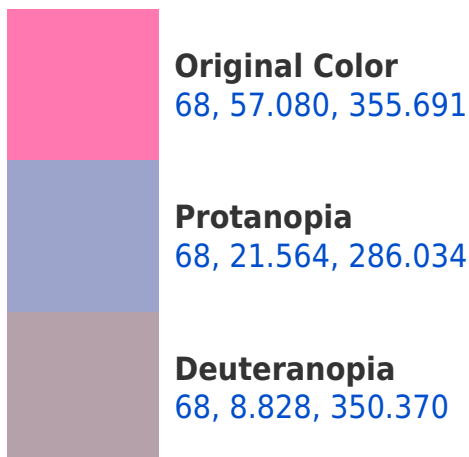


This preview shows how white text looks on a background with the CIELCh color 68, 57.080, 355.691.

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
68, 50.974, 19.789

Trichromacy



Original Color
68, 57.080, 355.691



Protanomaly
67, 29.742, 325.699



Deuteranomaly
67, 27.331, 352.279



Tritanomaly
68, 52.002, 10.222

Monochromacy



Original Color
68, 57.080, 355.691



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 21.734, 351.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 57.080, 355.691 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 57.080, 355.691 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, 175) }
```

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

```
.border{ border-color:rgb(255, 120, 175) }
```

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, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 57.080, 355.691 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
120, 175) }
```

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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