

Converting Colors

CIELCh(68, 54.504, 2.668)

Have a look what the booklet for
CIELCh(68, 54.504, 2.668) contains.

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Color

CIELCh(68, 54.640, 2.651)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AA3
RGB	255, 122, 163
RGB Percent	100%, 48%, 64%
CMY	0.0000, 0.5204, 0.3596
CMYK	0.00, 0.52, 0.36, 0.00
HSL	341°, 100%, 74%
HSV	341°, 52%, 100%
XYZ	54.9976, 37.9720, 39.2182
YIQ	166.4410, 66.1070, 40.9470

Conversions

Conversions Part 2

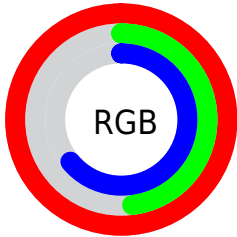
Format	Color
R _Y B	255, 122, 163
Decimal	16743075
CIE Lab	68.00, 54.58, 2.53
CIE LCh	68, 54.640, 2.651
Yxy	37.9720, 0.4161, 0.2873
Android (android.graphics.Color)	4294933155 (0xFFFF7AA3)
YUV	166.4410, -1.6964, 77.6662
Hunter-Lab	61.6215, 51.4751, 5.4006

Details

The CIELCh color $68, 54.640, 2.651$ is a light color, and the websafe version is hex FF6699 . A complement of this color would be $92, 46.878, 169.564$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 34.896, 345.399$, and $48, 54.684, 2.487$ is the 20% darker color. If you saturate the color by 10%, you get $63, 64.223, 5.054$, and if you desaturate by 10%, it is $73, 44.067, 0.603$.

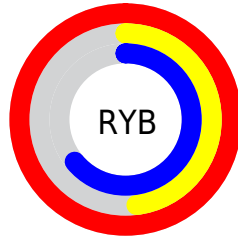
Distribution



Red (100%)

Green (48%)

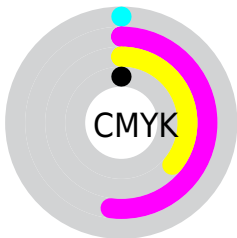
Blue (64%)



Red (100%)

Yellow (48%)

Blue (64%)

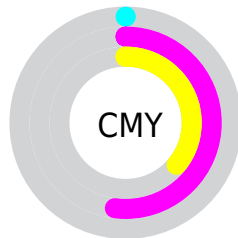


Cyan (0%)

Magenta (52%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 54.640, 2.651 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, 54.640, 2.651 by changing the saturation by 10% instead.

 68, 54.640, 2.651  68, 54.640, 2.651

 100, 54.640, 2.651  58, 54.640, 2.651

 88, 54.640, 2.651  48, 54.640, 2.651


 98, 54.640, 2.651  38, 54.640, 2.651

 28, 54.640, 2.651

 18, 54.640, 2.651

 8, 54.640, 2.651

 0, 54.640, 2.651

 68, 54.640, 2.651  68, 54.640, 2.651

 63, 64.223, 5.054  73, 44.067, 0.603

■ 59, 72.664, 8.194

■ 79, 33.308,
358.989

■ 56, 79.462, 12.175

■ 85, 22.582,
357.640

■ 55, 84.578, 17.106

■ 54, 87.893, 21.547

■ 92, 12.109,
356.478

■ 99, 2.010, 355.253

100, 0.012,
296.813

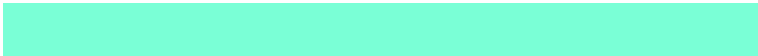
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 54.640, 2.651



92, 46.878, 169.564

Rectangle

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



68, 54.640, 2.651



68, 54.640, 52.651



68, 54.640, 182.651



68, 54.640, 232.651

Sweetspot

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



68, 54.523, 2.580



89, 16.221, 356.921



66, 76.963, 317.382



46, 10.994, 357.160



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, 54.523, 2.580



63, 64.190, 5.045



72, 49.135, 38.610



50, 5.691, 356.202



40, 70.388, 20.458



10, 31.426, 12.122

Inverse Universe

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



68, 54.523, 2.580



63, 64.190, 5.045



86, 32.722, 220.776



50, 5.691, 356.202



40, 70.388, 20.458



10, 31.426, 12.122

Previews

White Background



This preview shows how the CIELCh color 68, 54.640, 2.651 looks on a white background.

Color Contrast Check

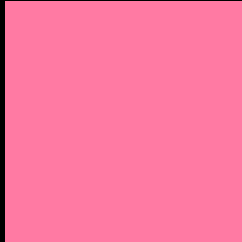
Large Text (above 18pt) WCAG AA × Fail

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, 54.640, 2.651 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, 54.640, 2.651

Background



This preview shows how black text looks on a background with the CIELCh color 68, 54.640, 2.651.

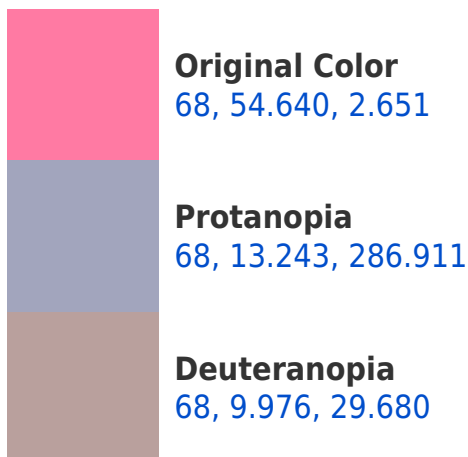


This preview shows how white text looks on a background with the CIELCh color 68, 54.640, 2.651.

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



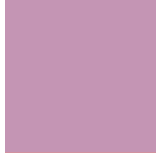


Tritanopia
68, 51.837, 20.010

Trichromacy



Original Color
68, 54.640, 2.651



Protanomaly
67, 24.496, 337.736



Deuteranomaly
67, 26.160, 6.425



Tritanomaly
68, 52.415, 13.347

Monochromacy



Original Color
68, 54.640, 2.651



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 20.302, 357.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 54.640, 2.651 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, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 163)  
}
```

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, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 54.640, 2.651 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, 122, 163) }
```

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

```
.border{ border-color:rgb(255, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 54.640, 2.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 163) }
```

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

```
.background{ background-color: rgb(255,  
122, 163) }
```

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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