

Converting Colors

CIELCh(55, 84.554, 3.684)

Have a look what the booklet for
CIELCh(55, 84.554, 3.684) contains.

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Color

CIELCh(55, 84.442, 3.567)

Conversions

Conversions Part 1

Format	Color
Hex	FF047E
RGB	255, 4, 126
RGB Percent	100%, 2%, 49%
CMY	0.0000, 0.9854, 0.5046
CMYK	0.00, 0.99, 0.50, 0.00
HSL	331°, 100%, 51%
HSV	331°, 99%, 100%
XYZ	45.2134, 22.9298, 21.8882
YIQ	92.9570, 110.4340, 91.1540

Conversions

Conversions Part 2

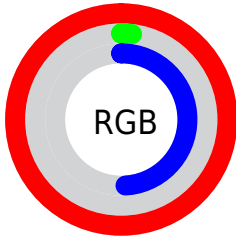
Format	Color
RYB	255, 4, 126
Decimal	16712830
CIELab	55.00, 84.28, 5.25
CIELCh	55, 84.442, 3.567
Yxy	22.9298, 0.5022, 0.2547
Android (android.graphics.Color)	4294902910 (0xFFFF047E)
YUV	92.9570, 16.2902, 142.1117
Hunter-Lab	47.8851, 84.7417, 6.4182

Details

The CIELCh color **55, 84.442, 3.567** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **89, 88.081, 149.596**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.999, 350.733**, and **41, 68.164, 10.989** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.517, 4.129**, and if you desaturate by 10%, it is **56, 82.796, 359.343**.

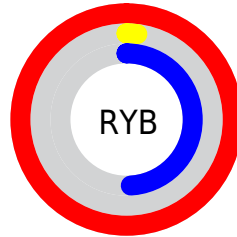
Distribution



Red (100%)

Green (2%)

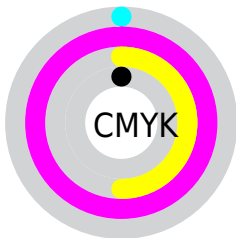
Blue (49%)



Red (100%)

Yellow (2%)

Blue (49%)

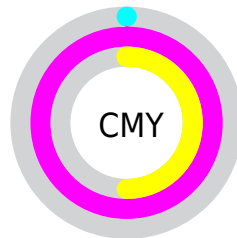


Cyan (0%)

Magenta (99%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (99%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.442, 3.567 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 55, 84.442, 3.567 by changing the saturation by 10% instead.

 55, 84.442, 3.567

 55, 84.442, 3.567

 100, 84.442, 3.567

 45, 84.442, 3.567

 75, 84.442, 3.567

 35, 84.442, 3.567

 85, 84.442, 3.567

 25, 84.442, 3.567

 95, 84.442, 3.567

 15, 84.442, 3.567


 5, 84.442, 3.567

 0, 84.442, 3.567

 55, 84.442, 3.567

 55, 84.442, 3.567

 55, 84.517, 4.129

 56, 82.796,
359.343

■ 58, 79.047,
356.019

■ 61, 72.843,
353.402

■ 66, 64.504,
351.321

■ 70, 54.596,
349.630

■ 76, 43.710,
348.218

■ 82, 32.343,
347.009

■ 88, 20.860,
345.947

■ 94, 9.500, 344.983

Harmonies

Complementary

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



55, 84.442, 3.567



89, 88.081, 149.596

Rectangle

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



55, 84.442, 3.567



55, 84.442, 53.567



55, 84.442, 183.567



55, 84.442, 233.567

Sweetspot

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



55, 84.344, 3.489



81, 34.016, 347.175



41, 124.431, 311.772



40, 23.227, 347.674



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 84.344, 3.489



55, 84.517, 4.129



53, 103.823, 39.701



50, 6.331, 345.074



41, 68.135, 3.273



10, 31.760, 357.485

Inverse Universe

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



55, 84.344, 3.489



55, 84.517, 4.129



91, 50.041, 196.391



50, 6.331, 345.074



41, 68.135, 3.273



10, 31.760, 357.485

Previews

White Background



This preview shows how the CIELCh color 55, 84.442, 3.567 looks on a white background.

Color Contrast Check

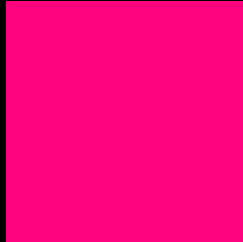
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 84.442, 3.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

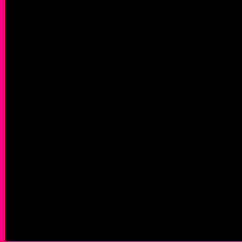
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 84.442, 3.567

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.442, 3.567.

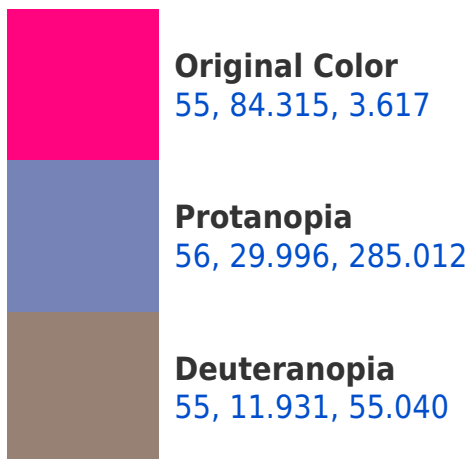


This preview shows how white text looks on a background with the CIELCh color 55, 84.442, 3.567.

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
55, 88.567, 34.311

Trichromacy



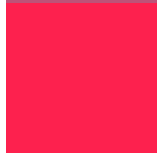
Original Color
55, 84.315, 3.617



Protanomaly
49, 52.179, 328.802



Deuteranomaly
50, 46.392, 0.298



Tritanomaly
55, 84.836, 23.291

Monochromacy



Original Color
55, 84.315, 3.617



Achromatopsia
39, 0.006, 296.813



Achromatomaly
40, 43.304, 351.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.442, 3.567 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, 4, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 4, 126)  
}
```

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, 4, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 4, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.442, 3.567 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, 4, 126) }
```

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

```
.border{ border-color:rgb(255, 4, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 4, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 4, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 4, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 4,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.442, 3.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 126) }
```

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

```
.background{ background-color: rgb(255, 4,  
126) }
```

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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