

Converting Colors

CIELCh(55, 83.732, 3.846)

Have a look what the booklet for
CIELCh(55, 83.732, 3.846) contains.

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Color

CIELCh(55, 83.804, 3.817)

Conversions

Conversions Part 1

Format	Color
Hex	FF0B7E
RGB	255, 11, 126
RGB Percent	100%, 4%, 49%
CMY	0.0013, 0.9578, 0.5069
CMYK	0.00, 0.96, 0.51, 0.00
HSL	332°, 100%, 52%
HSV	332°, 96%, 100%
XYZ	44.9843, 22.9298, 21.7064
YIQ	97.0660, 108.5090, 87.4930

Conversions

Conversions Part 2

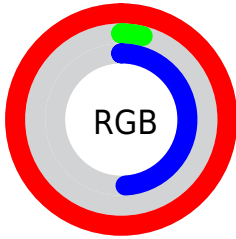
Format	Color
R_{YB}	255, 11, 126
Decimal	16714622
CIE _{Lab}	55.00, 83.62, 5.58
CIE _{LCh}	55, 83.804, 3.817
Yxy	22.9298, 0.5019, 0.2559
Android (android.graphics.Color)	4294904702 (0xFFFF0B7E)
YUV	97.0660, 14.2645, 138.5081
Hunter-Lab	47.8851, 83.8878, 6.6433

Details

The CIELCh color **55, 83.804, 3.817** 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, 85.085, 151.107**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.099, 351.012**, and **41, 68.164, 10.989** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.351, 5.748**, and if you desaturate by 10%, it is **56, 81.590, 359.725**.

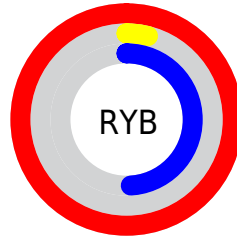
Distribution



Red (100%)

Green (4%)

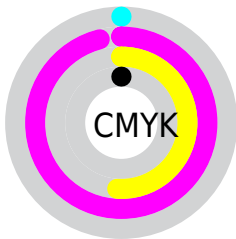
Blue (49%)



Red (100%)

Yellow (4%)

Blue (49%)

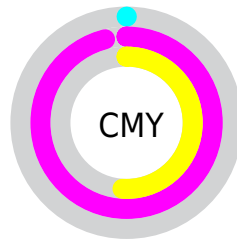


Cyan (0%)

Magenta (96%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (96%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.804, 3.817 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, 83.804, 3.817 by changing the saturation by 10% instead.

 55, 83.804, 3.817

 55, 83.804, 3.817

 100, 83.804, 3.817

 45, 83.804, 3.817

 75, 83.804, 3.817

 35, 83.804, 3.817

 85, 83.804, 3.817

 25, 83.804, 3.817

 95, 83.804, 3.817

 15, 83.804, 3.817


 5, 83.804, 3.817

 0, 83.804, 3.817

 55, 83.804, 3.817

 55, 83.804, 3.817

 55, 84.351, 5.748

 56, 81.590,
359.725

■ 59, 77.062,
356.482

■ 62, 70.183,
353.930

■ 67, 61.358,
351.897

■ 72, 51.167,
350.238

■ 77, 40.178,
348.850

■ 83, 28.844,
347.658

■ 90, 17.490,
346.608

■ 96, 6.320, 345.634

Harmonies

Complementary

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



55, 83.804, 3.817



89, 85.085, 151.107

Rectangle

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



55, 83.804, 3.817



55, 83.804, 53.817



55, 83.804, 183.817



55, 83.804, 233.817

Sweetspot

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



55, 83.800, 3.818



81, 32.553, 348.025



42, 122.738, 312.365



41, 22.369, 348.536



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, 83.800, 3.818



55, 84.434, 5.751



54, 102.151, 39.302



50, 6.263, 345.998



41, 68.035, 4.862



10, 31.628, 358.824

Inverse Universe

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



55, 83.800, 3.818



55, 84.434, 5.751



90, 48.708, 198.973



50, 6.263, 345.998



41, 68.035, 4.862



10, 31.628, 358.824

Previews

White Background



This preview shows how the CIELCh color 55, 83.804, 3.817 looks on a white background.

Color Contrast Check

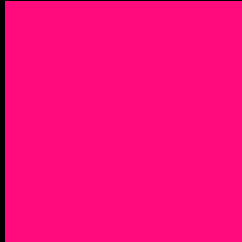
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.804, 3.817 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, 83.804, 3.817

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.804, 3.817.

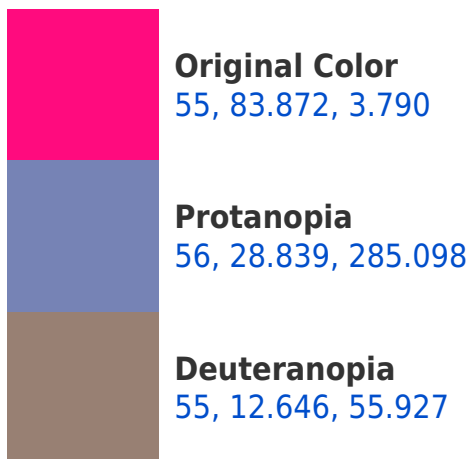


This preview shows how white text looks on a background with the CIELCh color 55, 83.804, 3.817.

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, 87.777, 34.130

Trichromacy



Original Color
55, 83.872, 3.790



Protanomaly
49, 50.703, 329.578



Deuteranomaly
50, 45.321, 1.692



Tritanomaly
55, 84.103, 23.460

Monochromacy



Original Color
55, 83.872, 3.790



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 41.703, 352.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.804, 3.817 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, 11, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 11, 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, 11, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 11, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.804, 3.817 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, 11, 126) }
```

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

```
.border{ border-color:rgb(255, 11, 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, 11, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 11, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 11, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 11,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.804, 3.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 11, 126) }
```

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

```
.background{ background-color: rgb(255, 11,  
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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