

Converting Colors

CIELCh(55, 84.600, 3.205)

Have a look what the booklet for
CIELCh(55, 84.600, 3.205) contains.

CIELCh(55, 84.480, 3.184)	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(55, 84.480, 3.184)

Conversions

Conversions Part 1

Format	Color
Hex	FF037F
RGB	255, 3, 127
RGB Percent	100%, 1%, 50%
CMY	0.0000, 0.9868, 0.5010
CMYK	0.00, 0.99, 0.50, 0.00
HSL	330°, 100%, 51%
HSV	330°, 99%, 100%
XYZ	45.2381, 22.9298, 22.2043
YIQ	92.4840, 110.3880, 91.9880

Conversions

Conversions Part 2

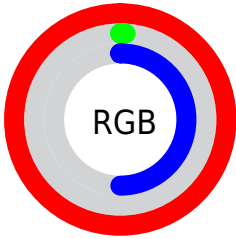
Format	Color
RYB	255, 3, 127
Decimal	16712575
CIELab	55.00, 84.35, 4.69
CIElCh	55, 84.480, 3.184
Yxy	22.9298, 0.5006, 0.2537
Android (android.graphics.Color)	4294902655 (0xFFFF037F)
YUV	92.4840, 17.0164, 142.5265
Hunter-Lab	47.8851, 84.8340, 6.0268

Details

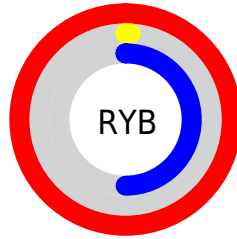
The CIELCh color **55, 84.480, 3.184** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **89, 88.563, 149.337**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.203, 350.310**, and **41, 68.164, 10.989** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.553, 3.695**, and if you desaturate by 10%, it is **56, 82.920, 359.014**.

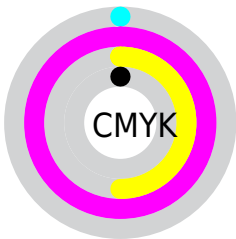
Distribution



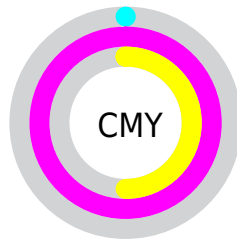
- Red (100%)
- Green (1%)
- Blue (50%)



- Red (100%)
- Yellow (1%)
- Blue (50%)



- 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, 84.480, 3.184 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, 84.480, 3.184 by changing the saturation by 10% instead.

 55, 84.480, 3.184

 55, 84.480, 3.184

 100, 84.480, 3.184

 45, 84.480, 3.184

 75, 84.480, 3.184

 35, 84.480, 3.184

 85, 84.480, 3.184

 25, 84.480, 3.184

 95, 84.480, 3.184

 15, 84.480, 3.184


 5, 84.480, 3.184

 0, 84.480, 3.184

 55, 84.480, 3.184

 55, 84.480, 3.184

 55, 84.553, 3.695

 56, 82.920,
359.014

■ 58, 79.233,
355.718

■ 61, 73.076,
353.122

■ 66, 64.765,
351.056

■ 70, 54.867,
349.376

■ 76, 43.975,
347.973

■ 82, 32.590,
346.770

■ 88, 21.079,
345.713

■ 94, 9.686, 344.752

Harmonies

Complementary

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



55, 84.480, 3.184



89, 88.563, 149.337

Rectangle

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



55, 84.480, 3.184



55, 84.480, 53.184



55, 84.480, 183.184



55, 84.480, 233.184

Sweetspot

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



55, 84.403, 3.123



81, 34.105, 346.919



41, 124.490, 311.763



40, 23.286, 347.414



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, 84.403, 3.123



55, 84.553, 3.695



53, 103.894, 39.729



50, 6.350, 344.830



41, 68.172, 2.848



10, 31.798, 357.129

Inverse Universe

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



55, 84.403, 3.123



55, 84.553, 3.695



91, 50.048, 196.390



50, 6.350, 344.830



41, 68.172, 2.848



10, 31.798, 357.129

Previews

White Background



This preview shows how the CIELCh color 55, 84.480, 3.184 looks on a white background.

Color Contrast Check

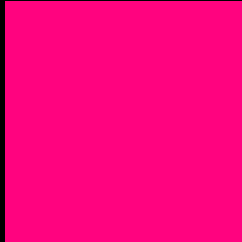
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.480, 3.184 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, 84.480, 3.184

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.480, 3.184.



This preview shows how white text looks on a background with the CIELCh color 55, 84.480, 3.184.

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



Original Color

55, 84.416, 3.208

Protanopia

56, 30.556, 285.264

Deuteranopia

55, 11.583, 52.864



Tritanopia
55, 87.777, 34.130

Trichromacy



Original Color
55, 84.416, 3.208



Protanomaly
49, 52.606, 328.420



Deuteranomaly
50, 46.511, 359.609



Tritanomaly
54, 84.184, 22.903

Monochromacy



Original Color
55, 84.416, 3.208



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 43.817, 351.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.480, 3.184 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, 3, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 127)  
}
```

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, 3, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.480, 3.184 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, 3, 127) }
```

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

```
.border{ border-color:rgb(255, 3, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 3, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 3,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.480, 3.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 127) }
```

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

```
.background{ background-color: rgb(255, 3,  
127) }
```

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