

Converting Colors

CIELCh(55, 85.003, 0.458)

Have a look what the booklet for
CIELCh(55, 85.003, 0.458) contains.

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Color

CIELCh(55, 84.999, 0.479)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF0086 |
| RGB | 255, 0, 134 |
| RGB Percent | 100%, 0%, 53% |
| CMY | 0.0007, 1.0000, 0.4750 |
| CMYK | 0.00, 1.00, 0.47, 0.00 |
| HSL | 328°, 100%, 50% |
| HSV | 328°, 100%, 100% |
| XYZ | 45.4632, 22.9298, 24.5344 |
| YIQ | 91.5210, 108.9660, 95.7340 |

Conversions

Conversions Part 2

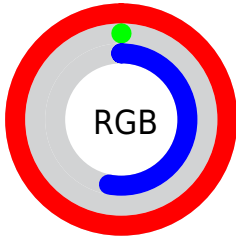
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 255, 0, 134 |
| Decimal | 16711814 |
| CIELab | 55.00, 85.00, 0.71 |
| CIELCh | 55, 84.999, 0.479 |
| Yxy | 22.9298, 0.4892, 0.2467 |
| Android (android.graphics.Color) | 4294901894 (0xFFFF0086) |
| YUV | 91.5210, 20.9421, 143.3711 |
| Hunter-Lab | 47.8851, 85.6731, 3.1417 |

Details

The CIELCh color **55, 84.999, 0.479** 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 **88, 92.255, 147.421**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 68.975, 347.047**, and **41, 67.939, 7.417** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.953, 0.495**, and if you desaturate by 10%, it is **56, 83.944, 356.669**.

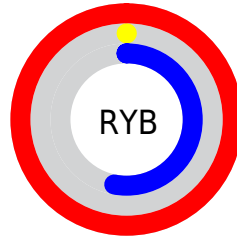
Distribution



Red (100%)

Green (0%)

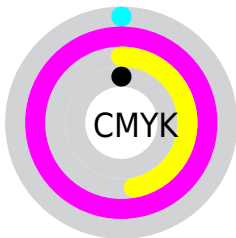
Blue (53%)



Red (100%)

Yellow (0%)

Blue (53%)

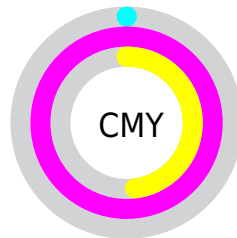


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (100%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.999, 0.479 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, 84.999, 0.479 by changing the saturation by 10% instead.

 55, 84.999, 0.479  55, 84.999, 0.479

 100, 84.999, 0.479  45, 84.999, 0.479

 75, 84.999, 0.479  35, 84.999, 0.479



 85, 84.999, 0.479  25, 84.999, 0.479

 95, 84.999, 0.479  15, 84.999, 0.479

 5, 84.999, 0.479

 0, 84.999, 0.479

 55, 84.999, 0.479  55, 84.999, 0.479

 55, 84.953, 0.495  56, 83.944,
356.669

■ 58, 80.775,
353.567

■ 61, 75.023,
351.118

■ 65, 66.974,
349.160

■ 70, 57.190,
347.560

■ 75, 46.280,
346.215

■ 81, 34.773,
345.054

■ 87, 23.063,
344.029

■ 93, 11.420,
343.097

Harmonies

Complementary

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



55, 84.999, 0.479



88, 92.255, 147.421

Rectangle

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



55, 84.999, 0.479



55, 84.999, 50.479



55, 84.999, 180.479



55, 84.999, 230.479

Sweetspot

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



55, 84.953, 0.495



81, 34.792, 345.054



40, 125.897, 310.946



41, 23.742, 345.525



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, 84.953, 0.495



55, 84.996, 0.496



53, 103.236, 39.093



50, 6.492, 343.052



41, 68.585, 359.721



11, 32.130, 354.520

Inverse Universe

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



55, 84.953, 0.495



55, 84.996, 0.496



91, 51.462, 191.303



50, 6.492, 343.052



41, 68.585, 359.721



11, 32.130, 354.520

Previews

White Background



This preview shows how the CIELCh color 55, 84.999, 0.479 looks on a white background.

Color Contrast Check

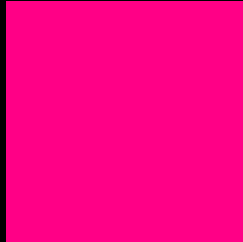
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.999, 0.479 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, 84.999, 0.479

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.999, 0.479.



This preview shows how white text looks on a background with the CIELCh color 55, 84.999, 0.479.

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, 84.999, 0.479

Protanopia

56, 35.724, 285.380

Deuteranopia

55, 9.142, 38.346



Tritanopia
55, 86.662, 33.544

Trichromacy



Original Color
55, 84.999, 0.479



Protanomaly
48, 57.064, 325.005



Deuteranomaly
49, 47.775, 354.388



Tritanomaly
55, 83.490, 21.409

Monochromacy



Original Color
55, 84.999, 0.479



Achromatopsia
39, 0.005, 296.813



Achromatomaly
39, 45.026, 348.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.999, 0.479 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, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 134)  
}
```

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, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.999, 0.479 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, 0, 134) }
```

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

```
.border{ border-color:rgb(255, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.999, 0.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 134) }
```

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

```
.background{ background-color: rgb(255, 0,  
134) }
```

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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