

Converting Colors

CIELCh(55, 84.475, 4.754)

Have a look what the booklet for
CIELCh(55, 84.475, 4.754) contains.

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Color

CIELCh(55, 84.292, 4.748)

Conversions

Conversions Part 1

Format	Color
Hex	FF057B
RGB	255, 5, 123
RGB Percent	100%, 2%, 48%
CMY	0.0000, 0.9785, 0.5159
CMYK	0.00, 0.98, 0.52, 0.00
HSL	332°, 100%, 51%
HSV	332°, 98%, 100%
XYZ	45.1177, 22.9298, 20.9364
YIQ	93.2020, 111.1220, 89.6980

Conversions

Conversions Part 2

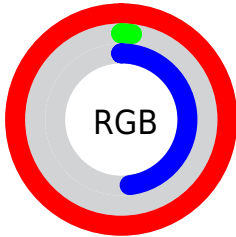
Format	Color
RYB	255, 5, 123
Decimal	16713083
CIELab	55.00, 84.00, 6.98
CIELCh	55, 84.292, 4.748
Yxy	22.9298, 0.5070, 0.2577
Android (android.graphics.Color)	4294903163 (0xFFFF057B)
YUV	93.2020, 14.6904, 141.8968
Hunter-Lab	47.8851, 84.3849, 7.5968

Details

The CIELCh color **55, 84.292, 4.748** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **89, 86.340, 150.544**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.415, 352.018**, and **41, 68.356, 12.516** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.438, 5.610**, and if you desaturate by 10%, it is **56, 82.336, 0.382**.

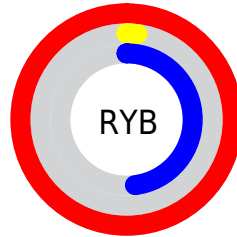
Distribution



Red (100%)

Green (2%)

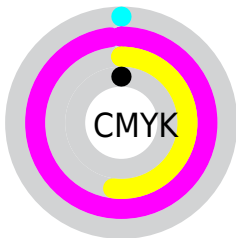
Blue (48%)



Red (100%)

Yellow (2%)

Blue (48%)

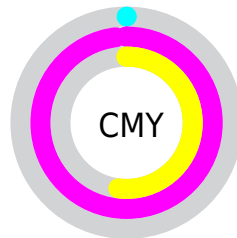


Cyan (0%)

Magenta (98%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (98%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.292, 4.748 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, 84.292, 4.748 by changing the saturation by 10% instead.

 55, 84.292, 4.748

 55, 84.292, 4.748

 100, 84.292, 4.748

 45, 84.292, 4.748

 75, 84.292, 4.748

 35, 84.292, 4.748

 85, 84.292, 4.748

 25, 84.292, 4.748

 95, 84.292, 4.748

 15, 84.292, 4.748

 5, 84.292, 4.748

 0, 84.292, 4.748

 55, 84.292, 4.748

 55, 84.292, 4.748

 55, 84.438, 5.610

 56, 82.336, 0.382

 58, 78.319,

356.985

62, 71.907,
354.313

66, 63.434,
352.190

71, 53.466,
350.469

76, 42.585,
349.034

82, 31.274,
347.809

88, 19.883,
346.735

95, 8.641, 345.759

Harmonies

Complementary

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



55, 84.292, 4.748



89, 86.340, 150.544

Rectangle

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



55, 84.292, 4.748



55, 84.292, 54.748



55, 84.292, 184.748



55, 84.292, 234.748

Sweetspot

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



55, 84.147, 4.635



81, 32.580, 347.941



42, 123.706, 312.210



41, 22.387, 348.450



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, 84.147, 4.635



55, 84.438, 5.610



53, 103.287, 39.682



50, 6.269, 345.917



41, 68.042, 4.724



10, 31.639, 358.707

Inverse Universe

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



55, 84.147, 4.635



55, 84.438, 5.610



90, 48.840, 199.019



50, 6.269, 345.917



41, 68.042, 4.724



10, 31.639, 358.707

Previews

White Background



This preview shows how the CIELCh color 55, 84.292, 4.748 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, 84.292, 4.748 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, 84.292, 4.748

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.292, 4.748.



This preview shows how white text looks on a background with the CIELCh color 55, 84.292, 4.748.

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, 84.166, 4.799

Protanopia

55, 27.681, 285.215

Deuteranopia

55, 13.389, 56.696



Tritanopia
55, 88.986, 34.456

Trichromacy



Original Color
55, 84.166, 4.799



Protanomaly
49, 51.068, 330.383



Deuteranomaly
50, 46.081, 2.387



Tritanomaly
55, 85.214, 24.016

Monochromacy



Original Color
55, 84.166, 4.799



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 43.078, 352.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.292, 4.748 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, 5, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 123)  
}
```

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, 5, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.292, 4.748 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, 5, 123) }
```

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

```
.border{ border-color:rgb(255, 5, 123) }
```

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

Here you see how a box with a 4 pixel rgb(255, 5, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.292, 4.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 123) }
```

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

```
.background{ background-color: rgb(255, 5,  
123) }
```

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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