

Converting Colors

CIELCh(55, 84.479, 4.688)

Have a look what the booklet for
CIELCh(55, 84.479, 4.688) contains.

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Color

CIELCh(55, 84.316, 4.362)

Conversions

Conversions Part 1

Format	Color
Hex	FF057C
RGB	255, 5, 124
RGB Percent	100%, 2%, 49%
CMY	0.0000, 0.9799, 0.5122
CMYK	0.00, 0.98, 0.51, 0.00
HSL	331°, 100%, 51%
HSV	331°, 98%, 100%
XYZ	45.1416, 22.9298, 21.2449
YIQ	93.3160, 110.8010, 90.0090

Conversions

Conversions Part 2

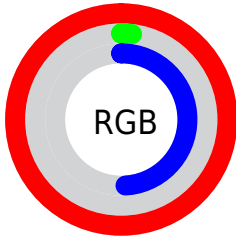
Format	Color
RYB	255, 5, 124
Decimal	16713084
CIELab	55.00, 84.07, 6.41
CIELCh	55, 84.316, 4.362
Yxy	22.9298, 0.5054, 0.2567
Android (android.graphics.Color)	4294903164 (0xFFFF057C)
YUV	93.3160, 15.1272, 141.7969
Hunter-Lab	47.8851, 84.4742, 7.2148

Details

The CIELCh color **55, 84.316, 4.362** 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, 86.820, 150.276**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.606, 351.587**, and **41, 68.285, 12.008** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.454, 5.170**, and if you desaturate by 10%, it is **56, 82.451, 0.048**.

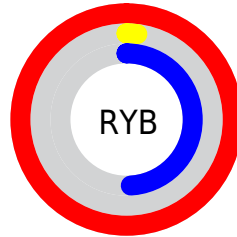
Distribution



Red (100%)

Green (2%)

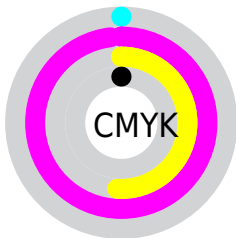
Blue (49%)



Red (100%)

Yellow (2%)

Blue (49%)

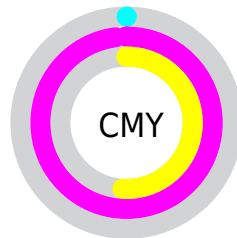


Cyan (0%)

Magenta (98%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (98%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.316, 4.362 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, 84.316, 4.362 by changing the saturation by 10% instead.

 55, 84.316, 4.362  55, 84.316, 4.362

 100, 84.316, 4.362  45, 84.316, 4.362

 75, 84.316, 4.362  35, 84.316, 4.362

 85, 84.316, 4.362  25, 84.316, 4.362

 95, 84.316, 4.362  15, 84.316, 4.362

 5, 84.316, 4.362

 0, 84.316, 4.362

 55, 84.316, 4.362  55, 84.316, 4.362

 55, 84.454, 5.170  56, 82.451, 0.048

 58, 78.497,

356.677

62, 72.130,
354.026

66, 63.685,
351.919

71, 53.726,
350.208

76, 42.839,
348.782

82, 31.510,
347.562

88, 20.091,
346.493

95, 8.816, 345.521

Harmonies

Complementary

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



55, 84.316, 4.362



89, 86.820, 150.276

Rectangle

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



55, 84.316, 4.362



55, 84.316, 54.362



55, 84.316, 184.362



55, 84.316, 234.362

Sweetspot

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



55, 84.193, 4.265



81, 32.665, 347.678



42, 123.761, 312.200



41, 22.444, 348.184



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, 84.193, 4.265



55, 84.454, 5.170



53, 103.353, 39.708



50, 6.287, 345.666



41, 68.064, 4.292



10, 31.673, 358.343

Inverse Universe

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



55, 84.193, 4.265



55, 84.454, 5.170



90, 48.845, 199.022



50, 6.287, 345.666



41, 68.064, 4.292



10, 31.673, 358.343

Previews

White Background



This preview shows how the CIELCh color 55, 84.316, 4.362 looks on a white background.

Color Contrast Check

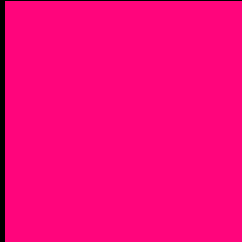
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.316, 4.362 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, 84.316, 4.362

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.316, 4.362.



This preview shows how white text looks on a background with the CIELCh color 55, 84.316, 4.362.

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, 84.190, 4.412

Protanopia

55, 28.278, 284.836

Deuteranopia

55, 13.023, 54.823



Tritanopia
55, 88.831, 34.590

Trichromacy



Original Color
55, 84.190, 4.412



Protanomaly
49, 51.484, 329.974



Deuteranomaly
50, 46.177, 1.686

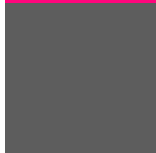


Tritanomaly
55, 85.089, 24.106

Monochromacy



Original Color
55, 84.190, 4.412



Achromatopsia
39, 0.006, 296.813



Achromatomaly
40, 43.092, 352.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.316, 4.362 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.316, 4.362 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, 124) }
```

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

```
.border{ border-color:rgb(255, 5, 124) }
```

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, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.316, 4.362 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, 124) }
```

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

```
.background{ background-color: rgb(255, 5,  
124) }
```

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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