

Converting Colors

CIELCh(55, 84.429, 5.985)

Have a look what the booklet for
CIELCh(55, 84.429, 5.985) contains.

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Color

CIELCh(55, 84.121, 5.962)

Conversions

Conversions Part 1

Format	Color
Hex	FF0879
RGB	255, 8, 121
RGB Percent	100%, 3%, 47%
CMY	0.0000, 0.9690, 0.5273
CMYK	0.00, 0.97, 0.53, 0.00
HSL	333°, 100%, 52%
HSV	333°, 97%, 100%
XYZ	45.0009, 22.9298, 19.9931
YIQ	94.7350, 110.9390, 87.5070

Conversions

Conversions Part 2

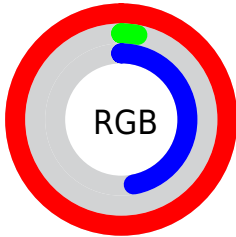
Format	Color
R_{YB}	255, 8, 121
Decimal	16713849
CIE _{Lab}	55.00, 83.67, 8.74
CIE _{LCh}	55, 84.121, 5.962
Yxy	22.9298, 0.5118, 0.2608
Android (android.graphics.Color)	4294903929 (0xFFFF0879)
YUV	94.7350, 12.9486, 140.5524
Hunter-Lab	47.8851, 83.9496, 8.7647

Details

The CIELCh color **55, 84.121, 5.962** 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, 84.301, 151.693**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 65.604, 353.045**, and **41, 68.515, 13.530** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.429, 7.294**, and if you desaturate by 10%, it is **56, 81.783, 1.486**.

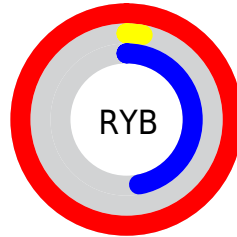
Distribution



Red (100%)

Green (3%)

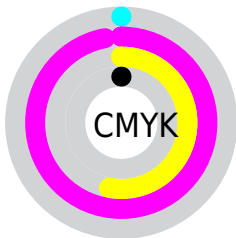
Blue (47%)



Red (100%)

Yellow (3%)

Blue (47%)

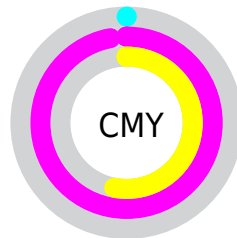


Cyan (0%)

Magenta (97%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (97%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.121, 5.962 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, 84.121, 5.962 by changing the saturation by 10% instead.

 55, 84.121, 5.962  55, 84.121, 5.962

 100, 84.121, 5.962  45, 84.121, 5.962

 75, 84.121, 5.962  35, 84.121, 5.962

 85, 84.121, 5.962  25, 84.121, 5.962

 95, 84.121, 5.962  15, 84.121, 5.962

 5, 84.121, 5.962

 0, 84.121, 5.962

 55, 84.121, 5.962  55, 84.121, 5.962

 55, 84.429, 7.294  56, 81.783, 1.486

 59, 77.417,

358.027

62, 70.729,
355.307

66, 62.075,
353.150

71, 52.021,
351.402

77, 41.137,
349.949

83, 29.886,
348.710

89, 18.601,
347.626

95, 7.495, 346.635

Harmonies

Complementary

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



55, 84.121, 5.962



89, 84.301, 151.693

Rectangle

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



55, 84.121, 5.962



55, 84.121, 55.962



55, 84.121, 185.962



55, 84.121, 235.962

Sweetspot

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



55, 83.946, 5.832



81, 32.264, 348.956



43, 122.892, 312.683



41, 22.176, 349.478



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, 83.946, 5.832



55, 84.429, 7.294



54, 102.584, 39.646



50, 6.200, 346.891



41, 67.998, 6.374



10, 31.523, 0.106

Inverse Universe

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



55, 83.946, 5.832



55, 84.429, 7.294



89, 47.734, 201.738



50, 6.200, 346.891



41, 67.998, 6.374



10, 31.523, 0.106

Previews

White Background



This preview shows how the CIELCh color 55, 84.121, 5.962 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, 84.121, 5.962 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, 84.121, 5.962

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.121, 5.962.



This preview shows how white text looks on a background with the CIELCh color 55, 84.121, 5.962.

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, 83.945, 5.652

Protanopia

55, 24.834, 284.545

Deuteranopia

55, 14.898, 60.600



Tritanopia
55, 89.401, 34.600

Trichromacy



Original Color
55, 83.945, 5.652



Protanomaly
49, 49.010, 332.531



Deuteranomaly
50, 45.741, 5.155



Tritanomaly
55, 85.608, 24.732

Monochromacy



Original Color
55, 83.945, 5.652



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 42.358, 353.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.121, 5.962 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, 8, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 121)  
}
```

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, 8, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.121, 5.962 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, 8, 121) }
```

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

```
.border{ border-color:rgb(255, 8, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 8, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.121, 5.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 121) }
```

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

```
.background{ background-color: rgb(255, 8,  
121) }
```

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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