

Converting Colors

CIELCh(55, 84.313, 8.419)

Have a look what the booklet for
CIELCh(55, 84.313, 8.419) contains.

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Color

CIELCh(55, 83.955, 7.991)

Conversions

Conversions Part 1

Format	Color
Hex	FF0C74
RGB	255, 12, 116
RGB Percent	100%, 5%, 45%
CMY	0.0000, 0.9545, 0.5464
CMYK	0.00, 0.95, 0.55, 0.00
HSL	334°, 100%, 52%
HSV	334°, 95%, 100%
XYZ	44.8189, 22.9298, 18.4848
YIQ	96.5130, 111.4440, 83.8600

Conversions

Conversions Part 2

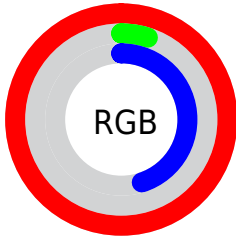
Format	Color
R_{YB}	255, 12, 116
Decimal	16714868
CIE _{Lab}	55.00, 83.14, 11.67
CIE _{LCh}	55, 83.955, 7.991
Yxy	22.9298, 0.5197, 0.2659
Android (android.graphics.Color)	4294904948 (0xFFFF0C74)
YUV	96.5130, 9.6071, 138.9931
Hunter-Lab	47.8851, 83.2710, 10.6323

Details

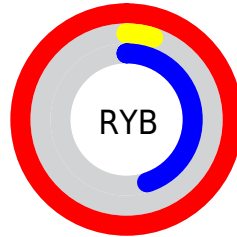
The CIELCh color **55, 83.955, 7.991** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **89, 81.044, 153.648**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.770, 355.294**, and **40, 68.909, 15.544** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.605, 10.093**, and if you desaturate by 10%, it is **56, 80.947, 3.359**.

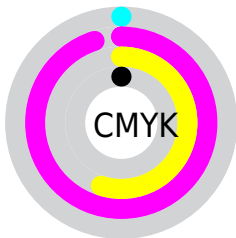
Distribution



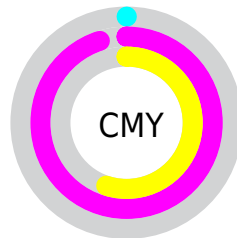
- Red (100%)
- Green (5%)
- Blue (45%)



- Red (100%)
- Yellow (5%)
- Blue (45%)



- Cyan (0%)
- Magenta (95%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (95%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.955, 7.991 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, 83.955, 7.991 by changing the saturation by 10% instead.

 55, 83.955, 7.991  55, 83.955, 7.991

 100, 83.955, 7.991  45, 83.955, 7.991

 75, 83.955, 7.991  35, 83.955, 7.991

 85, 83.955, 7.991  25, 83.955, 7.991

 95, 83.955, 7.991  15, 83.955, 7.991

 5, 83.955, 7.991

 0, 83.955, 7.991

 55, 83.955, 7.991  55, 83.955, 7.991

 54, 84.605, 10.093  56, 80.947, 3.359

 59, 76.030,

359.801

62, 68.919,
357.006

67, 59.996,
354.792

72, 49.824,
353.002

77, 38.949,
351.519

84, 27.804,
350.258

90, 16.693,
349.157

96, 5.809, 348.140

Harmonies

Complementary

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



55, 83.955, 7.991



89, 81.044, 153.648

Rectangle

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



55, 83.955, 7.991



55, 83.955, 57.991



55, 83.955, 187.991



55, 83.955, 237.991

Sweetspot

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



55, 83.724, 7.832



81, 31.764, 350.684



44, 121.506, 313.641



41, 21.845, 351.226



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, 83.724, 7.832



54, 84.605, 10.093



54, 101.150, 39.861



50, 6.090, 348.553



41, 68.074, 9.123



10, 31.380, 2.458

Inverse Universe

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



55, 83.724, 7.832



54, 84.605, 10.093



86, 45.867, 207.466



50, 6.090, 348.553



41, 68.074, 9.123



10, 31.380, 2.458

Previews

White Background



This preview shows how the CIELCh color 55, 83.955, 7.991 looks on a white background.

Color Contrast Check

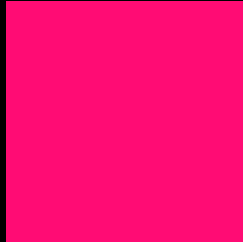
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.955, 7.991 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, 83.955, 7.991

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.955, 7.991.



This preview shows how white text looks on a background with the CIELCh color 55, 83.955, 7.991.

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, 83.692, 7.713

Protanopia

55, 20.775, 284.970

Deuteranopia

55, 17.342, 66.138



Tritanopia
55, 90.077, 35.014

Trichromacy



Original Color
55, 83.692, 7.713



Protanomaly
49, 45.530, 336.946



Deuteranomaly
50, 45.481, 9.401



Tritanomaly
55, 86.101, 25.879

Monochromacy



Original Color
55, 83.692, 7.713



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 41.443, 354.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.955, 7.991 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, 12, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 116)  
}
```

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, 12, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.955, 7.991 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, 12, 116) }
```

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

```
.border{ border-color:rgb(255, 12, 116) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.955, 7.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 116) }
```

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

```
.background{ background-color: rgb(255, 12,  
116) }
```

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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