

Converting Colors

CIELCh(55, 84.108, 16.045)

Have a look what the booklet for
CIELCh(55, 84.108, 16.045) contains.

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Color

CIELCh(55, 83.858, 16.082)

Conversions

Conversions Part 1

Format	Color
Hex	FF1960
RGB	255, 25, 96
RGB Percent	100%, 10%, 38%
CMY	0.0000, 0.9008, 0.6219
CMYK	0.00, 0.90, 0.62, 0.00
HSL	341°, 100%, 55%
HSV	341°, 90%, 100%
XYZ	43.9390, 22.9298, 13.2799
YIQ	101.8640, 114.2890, 70.8410

Conversions

Conversions Part 2

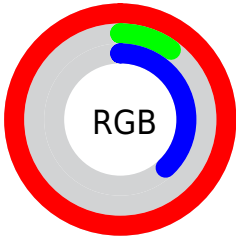
Format	Color
RYB	255, 25, 96
Decimal	16718176
CIELab	55.00, 80.58, 23.23
CIELCh	55, 83.858, 16.082
Yxy	22.9298, 0.5482, 0.2861
Android (android.graphics.Color)	4294908256 (0xFFFF1960)
YUV	101.8640, -2.8910, 134.3003
Hunter-Lab	47.8851, 79.9913, 17.0768

Details

The CIELCh color **55, 83.858, 16.082** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **89, 68.579, 162.809**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.373, 6.648**, and **40, 71.495, 24.027** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.858, 21.475**, and if you desaturate by 10%, it is **57, 78.262, 11.256**.

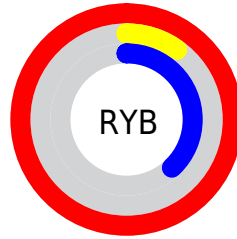
Distribution



Red (100%)

Green (10%)

Blue (38%)



Red (100%)

Yellow (10%)

Blue (38%)

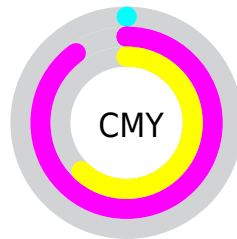


Cyan (0%)

Magenta (90%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (90%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.858, 16.082 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, 83.858, 16.082 by changing the saturation by 10% instead.

 55, 83.858, 16.082

 55, 83.858, 16.082

 100, 83.858,
16.082

 45, 83.858, 16.082

 75, 83.858, 16.082

 35, 83.858, 16.082

 85, 83.858, 16.082

 25, 83.858, 16.082

 95, 83.858, 16.082

 15, 83.858, 16.082

 5, 83.858, 16.082

 0, 83.858, 16.082

 55, 83.858, 16.082

 55, 83.858, 16.082

 54, 87.858, 21.475

 57, 78.262, 11.256

 60, 71.133, 7.455

64, 62.413, 4.463

69, 52.529, 2.101

74, 41.982, 0.206

80, 31.206,
358.652

87, 20.513,
357.346

93, 10.103,
356.210

100, 0.082,
348.344

Harmonies

Complementary

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



55, 83.858, 16.082



89, 68.579, 162.809

Rectangle

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



55, 83.858, 16.082



55, 83.858, 66.082



55, 83.858, 196.082



55, 83.858, 246.082

Sweetspot

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



55, 83.675, 15.997



82, 27.896, 358.227



49, 116.657, 317.307



42, 18.884, 358.700



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, 83.675, 15.997



54, 87.858, 21.475



57, 92.939, 42.482



50, 5.693, 356.148



40, 70.363, 20.386



10, 31.423, 12.066

Inverse Universe

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



55, 83.675, 15.997



54, 87.858, 21.475



79, 42.931, 229.198



50, 5.693, 356.148



40, 70.363, 20.386



10, 31.423, 12.066

Previews

White Background



This preview shows how the CIELCh color 55, 83.858, 16.082 looks on a white background.

Color Contrast Check

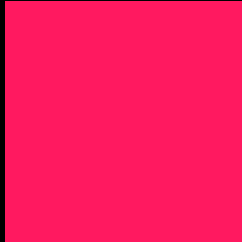
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.858, 16.082 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, 83.858, 16.082

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.858, 16.082.



This preview shows how white text looks on a background with the CIELCh color 55, 83.858, 16.082.

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, 83.753, 16.144

Protanopia

55, 4.622, 295.531

Deuteranopia

55, 27.582, 74.529



Tritanopia
55, 91.656, 35.464

Trichromacy



Original Color
55, 83.753, 16.144



Protanomaly
50, 37.730, 357.125



Deuteranomaly
51, 46.627, 25.302

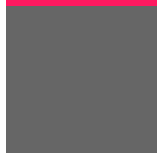


Tritanomaly
55, 88.106, 29.266

Monochromacy



Original Color
55, 83.753, 16.144



Achromatopsia
43, 0.006, 296.813



Achromatomaly
43, 37.762, 2.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.858, 16.082 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, 25, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 25, 96)  
}
```

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, 25, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 25, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.858, 16.082 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, 25, 96) }
```

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

```
.border{ border-color:rgb(255, 25, 96) }
```

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

Here you see how a box with a 4 pixel rgb(255, 25, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 25, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 25, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 25,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.858, 16.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 25, 96) }
```

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

```
.background{ background-color: rgb(255, 25,  
96) }
```

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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