

Converting Colors

CIELCh(58, 88.467, 17.695)

Have a look what the booklet for
CIELCh(58, 88.467, 17.695) contains.

CIELCh(55, 83.545, 15.367)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 83.545, 15.367)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A62
RGB	255, 26, 98
RGB Percent	100%, 10%, 38%
CMY	0.0000, 0.8992, 0.6148
CMYK	0.00, 0.90, 0.61, 0.00
HSL	341°, 100%, 55%
HSV	341°, 90%, 100%
XYZ	43.9328, 22.9298, 13.7227
YIQ	102.6790, 113.3720, 70.9400

Conversions

Conversions Part 2

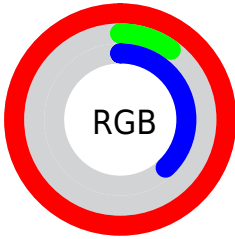
Format	Color
RYB	255, 26, 98
Decimal	16718434
CIELab	55.00, 80.56, 22.14
CIELCh	55, 83.545, 15.367
Yxy	22.9298, 0.5452, 0.2845
Android (android.graphics.Color)	4294908514 (0xFFFF1A62)
YUV	102.6790, -2.3067, 133.5855
Hunter-Lab	47.8851, 79.9682, 16.5285

Details

The CIELCh color **55, 83.545, 15.367** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **89, 69.057, 162.339**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.045, 5.889**, and **40, 71.288, 23.571** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.539, 20.819**, and if you desaturate by 10%, it is **57, 78.109, 10.626**.

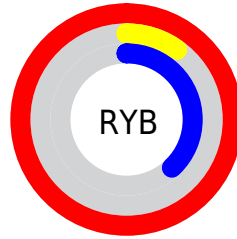
Distribution



Red (100%)

Green (10%)

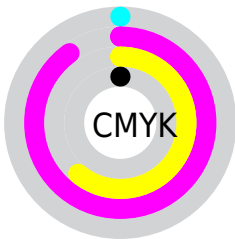
Blue (38%)



Red (100%)

Yellow (10%)

Blue (38%)

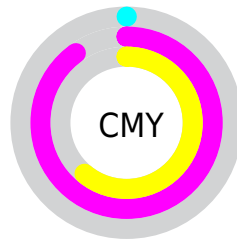


Cyan (0%)

Magenta (90%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (90%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.545, 15.367 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, 83.545, 15.367 by changing the saturation by 10% instead.

 55, 83.545, 15.367

 55, 83.545, 15.367

 100, 83.545,
15.367

 45, 83.545, 15.367

 75, 83.545, 15.367

 35, 83.545, 15.367

 85, 83.545, 15.367

 25, 83.545, 15.367

 95, 83.545, 15.367

 15, 83.545, 15.367

 5, 83.545, 15.367

 0, 83.545, 15.367

 55, 83.545, 15.367

 55, 83.545, 15.367

 54, 87.539, 20.819

 57, 78.109, 10.626

 54, 87.572, 20.863

 60, 71.025, 6.870

64, 62.328, 3.915

69, 52.452, 1.580

75, 41.903,
359.705

81, 31.118,
358.164

87, 20.409,
356.867

93, 9.976, 355.737

100, 0.012,
296.813

Harmonies

Complementary

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



55, 83.545, 15.367



89, 69.057, 162.339

Rectangle

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



55, 83.545, 15.367



55, 83.545, 65.367



55, 83.545, 195.367



55, 83.545, 245.367

Sweetspot

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



55, 83.446, 15.321



82, 27.972, 357.764



49, 116.577, 317.315



42, 18.933, 358.234



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, 83.446, 15.321



54, 87.572, 20.863



57, 92.792, 42.474



50, 5.713, 355.692



40, 70.153, 19.776



10, 31.399, 11.583

Inverse Universe

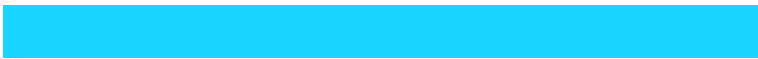
The Inverse Universe completely reimagines the original color for something new.



55, 83.446, 15.321



54, 87.572, 20.863



79, 42.915, 229.146



50, 5.713, 355.692



40, 70.153, 19.776



10, 31.399, 11.583

Previews

White Background



This preview shows how the CIELCh color 55, 83.545, 15.367 looks on a white background.

Color Contrast Check

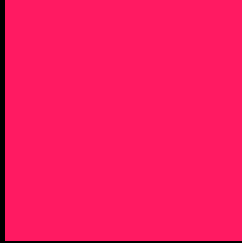
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.545, 15.367 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, 83.545, 15.367

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.545, 15.367.



This preview shows how white text looks on a background with the CIELCh color 55, 83.545, 15.367.

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, 83.436, 15.430

Protanopia

55, 5.768, 294.690

Deuteranopia

55, 26.828, 74.794



Tritanopia
55, 91.255, 35.325

Trichromacy



Original Color
55, 83.436, 15.430



Protanomaly
50, 37.898, 356.300



Deuteranomaly
51, 45.694, 25.112

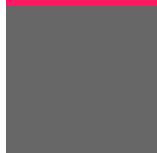


Tritanomaly
55, 87.504, 28.718

Monochromacy



Original Color
55, 83.436, 15.430



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 37.356, 2.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.545, 15.367 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, 26, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 98)  
}
```

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, 26, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.545, 15.367 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, 26, 98) }
```

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

```
.border{ border-color:rgb(255, 26, 98) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.545, 15.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 98) }
```

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

```
.background{ background-color: rgb(255, 26,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor