

Converting Colors

CIELCh(55, 83.602, 13.302)

Have a look what the booklet for
CIELCh(55, 83.602, 13.302) contains.

CIELCh(55, 83.419, 13.237)	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, 83.419, 13.237)

Conversions

Conversions Part 1

Format	Color
Hex	FF1767
RGB	255, 23, 103
RGB Percent	100%, 9%, 40%
CMY	0.0000, 0.9099, 0.5949
CMYK	0.00, 0.91, 0.59, 0.00
HSL	339°, 100%, 55%
HSV	339°, 91%, 100%
XYZ	44.1529, 22.9298, 15.0082
YIQ	101.4880, 112.5920, 74.0640

Conversions

Conversions Part 2

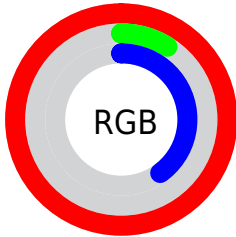
Format	Color
RYB	255, 23, 103
Decimal	16717671
CIELab	55.00, 81.20, 19.10
CIElCh	55, 83.419, 13.237
Yxy	22.9298, 0.5379, 0.2793
Android (android.graphics.Color)	4294907751 (0xFFFF1767)
YUV	101.4880, 0.7454, 134.6300
Hunter-Lab	47.8851, 80.7886, 14.9368

Details

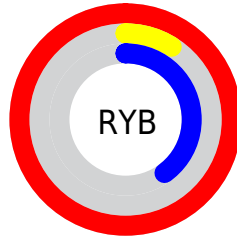
The CIELCh color **55, 83.419, 13.237** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **89, 71.957, 159.930**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.828, 2.611**, and **40, 70.329, 21.234** is the 20% darker color. If you saturate the color by 10%, you get **54, 86.431, 18.053**, and if you desaturate by 10%, it is **57, 78.590, 8.535**.

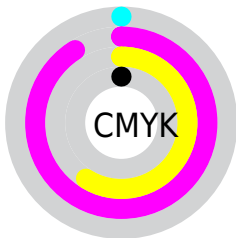
Distribution



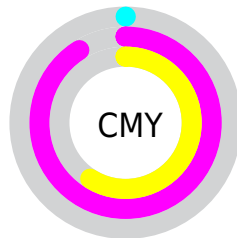
- Red (100%)
- Green (9%)
- Blue (40%)



- Red (100%)
- Yellow (9%)
- Blue (40%)



- Cyan (0%)
- Magenta (91%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (91%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.419, 13.237 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, 83.419, 13.237 by changing the saturation by 10% instead.

 55, 83.419, 13.237

 55, 83.419, 13.237

 100, 83.419,
13.237

 45, 83.419, 13.237

 75, 83.419, 13.237

 35, 83.419, 13.237

 85, 83.419, 13.237

 25, 83.419, 13.237

 95, 83.419, 13.237

 15, 83.419, 13.237

 5, 83.419, 13.237

 0, 83.419, 13.237

 55, 83.419, 13.237

 55, 83.419, 13.237

 54, 86.431, 18.053

 57, 78.590, 8.535

 60, 72.008, 4.836

64, 63.660, 1.929

69, 53.982,
359.630

74, 43.500,
357.779

80, 32.677,
356.254

86, 21.855,
354.965

93, 11.255,
353.842

99, 1.004, 352.379

Harmonies

Complementary

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



55, 83.419, 13.237



89, 71.957, 159.930

Rectangle

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



55, 83.419, 13.237



55, 83.419, 63.237



55, 83.419, 193.237



55, 83.419, 243.237

Sweetspot

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



55, 83.299, 13.175



82, 28.340, 355.715



48, 117.715, 316.260



42, 19.170, 356.173



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, 83.299, 13.175



54, 86.431, 18.053



56, 95.129, 41.353



50, 5.805, 353.683



40, 69.322, 16.983



10, 31.317, 9.300

Inverse Universe

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



55, 83.299, 13.175



54, 86.431, 18.053



81, 43.146, 222.719



50, 5.805, 353.683



40, 69.322, 16.983



10, 31.317, 9.300

Previews

White Background



This preview shows how the CIELCh color 55, 83.419, 13.237 looks on a white background.

Color Contrast Check

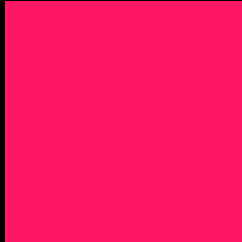
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.419, 13.237 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, 83.419, 13.237

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.419, 13.237.

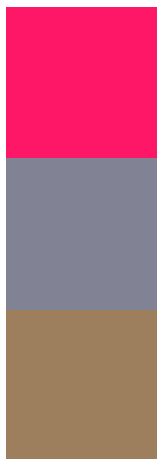


This preview shows how white text looks on a background with the CIELCh color 55, 83.419, 13.237.

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, 83.318, 13.292

Protanopia

55, 10.356, 287.303

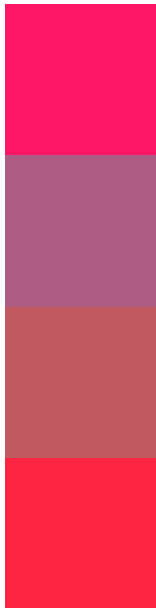
Deuteranopia

55, 23.647, 72.024



Tritanopia
55, 91.255, 35.325

Trichromacy



Original Color
55, 83.318, 13.292

Protanomaly
50, 39.275, 349.664

Deuteranomaly
51, 45.240, 20.360

Tritanomaly
55, 87.171, 27.957

Monochromacy



Original Color
55, 83.318, 13.292

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 38.497, 0.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.419, 13.237 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, 23, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 103)  
}
```

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, 23, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.419, 13.237 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, 23, 103) }
```

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

```
.border{ border-color:rgb(255, 23, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.419, 13.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 103) }
```

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

```
.background{ background-color: rgb(255, 23,  
103) }
```

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