

Converting Colors

CIELCh(55, 83.276, 8.813)

Have a look what the booklet for
CIELCh(55, 83.276, 8.813) contains.

CIELCh(55, 83.257, 8.716)	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, 83.257, 8.716)

Conversions

Conversions Part 1

Format	Color
Hex	FF1272
RGB	255, 18, 114
RGB Percent	100%, 7%, 45%
CMY	0.0000, 0.9284, 0.5527
CMYK	0.00, 0.93, 0.55, 0.00
HSL	336°, 100%, 54%
HSV	336°, 93%, 100%
XYZ	44.5278, 22.9298, 18.0154
YIQ	99.8070, 110.4360, 80.1000

Conversions

Conversions Part 2

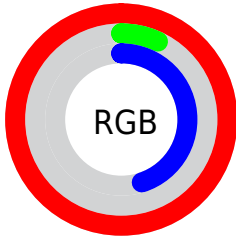
Format	Color
RYB	255, 18, 114
Decimal	16716402
CIELab	55.00, 82.30, 12.62
CIElCh	55, 83.257, 8.716
Yxy	22.9298, 0.5210, 0.2683
Android (android.graphics.Color)	4294906482 (0xFFFF1272)
YUV	99.8070, 6.9971, 136.1043
Hunter-Lab	47.8851, 82.1861, 11.2134

Details

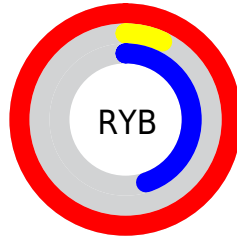
The CIELCh color **55, 83.257, 8.716** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **89, 77.793, 155.644**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.453, 357.051**, and **40, 69.143, 16.542** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.922, 12.361**, and if you desaturate by 10%, it is **57, 79.662, 4.291**.

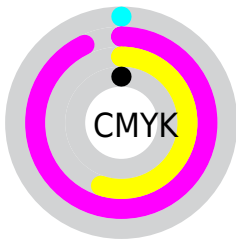
Distribution



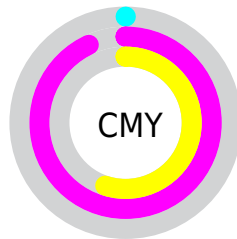
- Red (100%)
- Green (7%)
- Blue (45%)



- Red (100%)
- Yellow (7%)
- Blue (45%)



- Cyan (0%)
- Magenta (93%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.257, 8.716 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, 83.257, 8.716 by changing the saturation by 10% instead.

 55, 83.257, 8.716

 55, 83.257, 8.716

 100, 83.257, 8.716

 45, 83.257, 8.716

 75, 83.257, 8.716

 35, 83.257, 8.716

 85, 83.257, 8.716

 25, 83.257, 8.716

 95, 83.257, 8.716

 15, 83.257, 8.716

 5, 83.257, 8.716

 0, 83.257, 8.716

 55, 83.257, 8.716

 55, 83.257, 8.716

 54, 84.922, 12.361

 57, 79.662, 4.291

 60, 73.980, 0.791

63, 66.255,
358.042

68, 56.923,
355.861

73, 46.544,
354.096

79, 35.630,
352.630

85, 24.572,
351.382

92, 13.633,
350.289

98, 2.972, 349.203

Harmonies

Complementary

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



55, 83.257, 8.716



89, 77.793, 155.644

Rectangle

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



55, 83.257, 8.716



55, 83.257, 58.716



55, 83.257, 188.716



55, 83.257, 238.716

Sweetspot

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



55, 83.233, 8.704



82, 30.275, 352.002



45, 119.983, 314.268



41, 20.966, 352.559



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, 83.233, 8.704



54, 84.922, 12.361



55, 98.933, 39.800



50, 6.005, 349.946



41, 68.271, 11.356



10, 31.310, 4.394

Inverse Universe

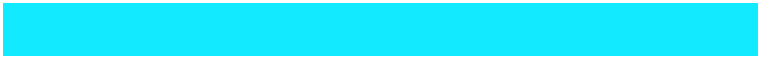
The Inverse Universe completely reimagines the original color for something new.



55, 83.233, 8.704



54, 84.922, 12.361



85, 45.037, 210.190



50, 6.005, 349.946



41, 68.271, 11.356



10, 31.310, 4.394

Previews

White Background



This preview shows how the CIELCh color 55, 83.257, 8.716 looks on a white background.

Color Contrast Check

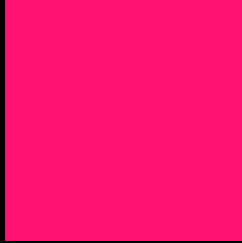
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.257, 8.716 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, 83.257, 8.716

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.257, 8.716.



This preview shows how white text looks on a background with the CIELCh color 55, 83.257, 8.716.

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, 83.257, 8.716

Protanopia

55, 19.042, 285.029

Deuteranopia

55, 18.094, 66.232



Tritanopia
55, 89.665, 34.873

Trichromacy



Original Color
55, 83.257, 8.716



Protanomaly
50, 43.839, 338.706



Deuteranomaly
51, 44.606, 11.020



Tritanomaly
55, 85.716, 26.167

Monochromacy



Original Color
55, 83.257, 8.716



Achromatopsia
42, 0.006, 296.813



Achromatomaly
42, 39.826, 355.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.257, 8.716 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, 18, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 114)  
}
```

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, 18, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.257, 8.716 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, 18, 114) }
```

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

```
.border{ border-color:rgb(255, 18, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.257, 8.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 114) }
```

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

```
.background{ background-color: rgb(255, 18,  
114) }
```

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