

Converting Colors

CIELCh(57, 80.794, 27.021)

Have a look what the booklet for
CIELCh(57, 80.794, 27.021) contains.

CIELCh(57, 80.725, 26.836)	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(57, 80.725, 26.836)

Conversions

Conversions Part 1

Format	Color
Hex	FE3C4E
RGB	254, 60, 78
RGB Percent	100%, 24%, 31%
CMY	0.0030, 0.7637, 0.6935
CMYK	0.00, 0.76, 0.69, 0.00
HSL	354°, 99%, 62%
HSV	354°, 76%, 100%
XYZ	43.9648, 24.9227, 9.7313
YIQ	120.0580, 109.8460, 46.7260

Conversions

Conversions Part 2

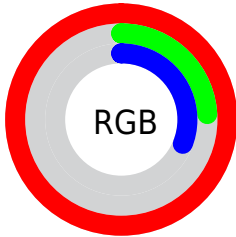
Format	Color
R_{YB}	254, 60, 78
Decimal	16661582
CIE _{Lab}	57.00, 72.03, 36.44
CIE _{LCh}	57, 80.725, 26.836
Yxy	24.9227, 0.5592, 0.3170
Android (android.graphics.Color)	4294851662 (0xFFFE3C4E)
YUV	120.0580, -20.7346, 117.4671
Hunter-Lab	49.9226, 69.8329, 23.3886

Details

The CIELCh color **57, 80.725, 26.836** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 50.179, 185.546**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 55.082, 23.474**, and **39, 75.250, 31.015** is the 20% darker color. If you saturate the color by 10%, you get **55, 90.145, 31.220**, and if you desaturate by 10%, it is **60, 70.276, 23.084**.

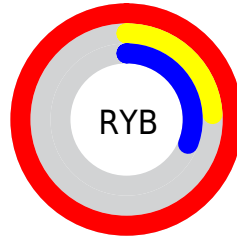
Distribution



Red (100%)

Green (24%)

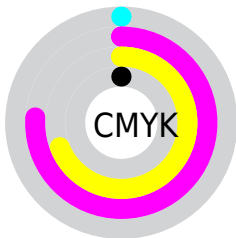
Blue (31%)



Red (100%)

Yellow (24%)

Blue (31%)

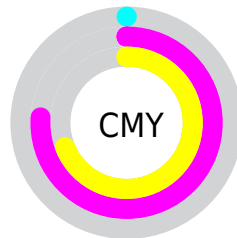


Cyan (0%)

Magenta (76%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (76%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.725, 26.836 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 57, 80.725, 26.836 by changing the saturation by 10% instead.

 57, 80.725, 26.836

 57, 80.725, 26.836

 100, 80.725,
26.836

 47, 80.725, 26.836

 77, 80.725, 26.836

 37, 80.725, 26.836

 87, 80.725, 26.836

 27, 80.725, 26.836

 97, 80.725, 26.836

 17, 80.725, 26.836

 7, 80.725, 26.836

 0, 80.725, 26.836

 57, 80.725, 26.836

 57, 80.725, 26.836

 55, 90.145, 31.220

 60, 70.276, 23.084

 53, 97.991, 35.684

 65, 59.182, 20.062

■ 53, 100.386,
37.054

■ 70, 47.835, 17.690

■ 76, 36.601, 15.835

■ 82, 25.753, 14.370

■ 89, 15.454, 13.189

■ 95, 5.775, 12.175

■ 100, 0.269,
201.850

Harmonies

Complementary

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



57, 80.725, 26.836



91, 50.179, 185.546

Rectangle

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



57, 80.725, 26.836



57, 80.725, 76.836



57, 80.725, 206.836



57, 80.725, 256.836

Sweetspot

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



57, 80.721, 26.838



85, 22.347, 13.954



60, 105.675, 324.612



43, 15.644, 14.412



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 80.721, 26.838



54, 95.104, 33.823



69, 70.489, 56.610



50, 5.283, 12.496



40, 80.339, 36.335



10, 32.654, 23.435

Inverse Universe

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



57, 80.721, 26.838



54, 95.104, 33.823



69, 48.016, 261.922



50, 5.283, 12.496



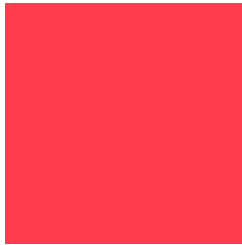
40, 80.339, 36.335



10, 32.654, 23.435

Previews

White Background



This preview shows how the CIELCh color 57, 80.725, 26.836 looks on a white background.

Color Contrast Check

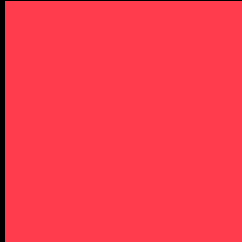
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 80.725, 26.836 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 57, 80.725, 26.836

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.725, 26.836.

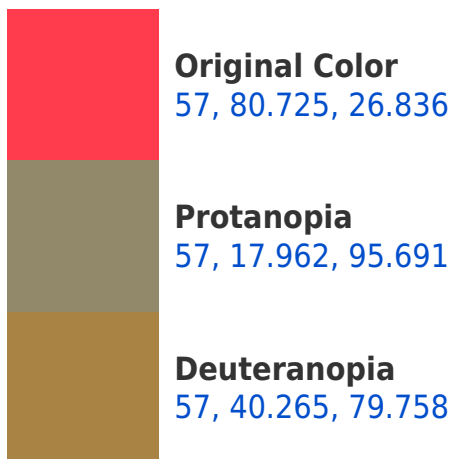


This preview shows how white text looks on a background with the CIELCh color 57, 80.725, 26.836.

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





Tritanopia
57, 83.156, 31.875

Trichromacy



Original Color
57, 80.725, 26.836

Protanomaly
54, 35.190, 35.155

Deuteranomaly
55, 49.969, 45.792

Tritanomaly
57, 82.126, 30.023

Monochromacy



Original Color
57, 80.725, 26.836

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 30.749, 16.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.725, 26.836 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(254, 60, 78)` looks like.

```
.text, #text, p{  
    color:rgb(254, 60, 78)  
}
```

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(254, 60, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 60, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.725, 26.836 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(254, 60, 78) }
```

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

```
.border{ border-color:rgb(254, 60, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 60, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 60, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 60, 78);  
box-shadow:4px 4px 4px 4px rgb(254, 60,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.725, 26.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 60, 78) }
```

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

```
.background{ background-color: rgb(254, 60,  
78) }
```

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