

Converting Colors

CIELCh(57, 80.117, 29.404)

Have a look what the booklet for
CIELCh(57, 80.117, 29.404) contains.

CIELCh(57, 80.060, 29.409)	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, 80.060, 29.409)

Conversions

Conversions Part 1

Format	Color
Hex	FC4149
RGB	252, 65, 73
RGB Percent	99%, 25%, 29%
CMY	0.0122, 0.7455, 0.7140
CMYK	0.00, 0.74, 0.71, 0.01
HSL	357°, 97%, 62%
HSV	357°, 74%, 99%
XYZ	43.1890, 24.9227, 8.8239
YIQ	121.8250, 108.8840, 42.1320

Conversions

Conversions Part 2

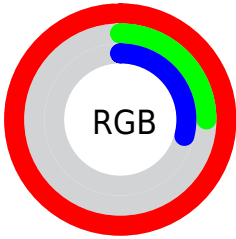
Format	Color
R_{YB}	252, 65, 73
Decimal	16531785
CIE _{Lab}	57.00, 69.74, 39.31
CIE _{LCh}	57, 80.060, 29.409
Yxy	24.9227, 0.5614, 0.3239
Android (android.graphics.Color)	4294721865 (0xFFFC4149)
YUV	121.8250, -24.0707, 114.1635
Hunter-Lab	49.9226, 67.0591, 24.4662

Details

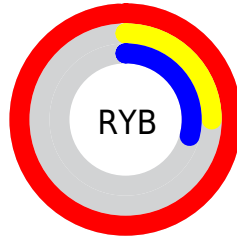
The CIELCh color **57, 80.060, 29.409** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **90, 47.392, 191.385**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.875, 27.539**, and **39, 75.870, 32.664** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.313, 33.397**, and if you desaturate by 10%, it is **61, 68.851, 25.943**.

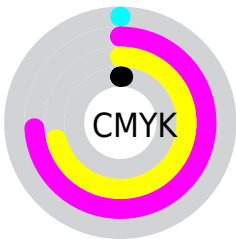
Distribution



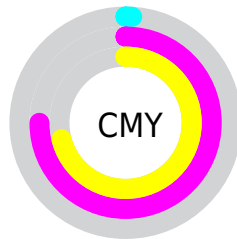
- Red (99%)
- Green (25%)
- Blue (29%)



- Red (99%)
- Yellow (25%)
- Blue (29%)



- Cyan (0%)
- Magenta (74%)
- Yellow (71%)
- Black (1%)



- Cyan (1%)
- Magenta (75%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.060, 29.409 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, 80.060, 29.409 by changing the saturation by 10% instead.

 57, 80.060, 29.409

 57, 80.060, 29.409

 100, 80.060,
29.409

 47, 80.060, 29.409

 77, 80.060, 29.409

 37, 80.060, 29.409

 87, 80.060, 29.409

 27, 80.060, 29.409

 97, 80.060, 29.409

 17, 80.060, 29.409

 7, 80.060, 29.409

 0, 80.060, 29.409

 57, 80.060, 29.409

 57, 80.060, 29.409

 54, 90.313, 33.397

 61, 68.851, 25.943

 53, 98.653, 37.246

 65, 57.212, 23.147

■ 53, 101.965,
38.823

■ 71, 45.554, 20.963

■ 76, 34.211, 19.272

■ 83, 23.407, 17.954

■ 89, 13.258, 16.907

■ 96, 3.801, 15.969

■ 100, 1.081,
199.950

Harmonies

Complementary

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



57, 80.060, 29.409



90, 47.392, 191.385

Rectangle

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



57, 80.060, 29.409



57, 80.060, 79.409



57, 80.060, 209.409



57, 80.060, 259.409

Sweetspot

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



57, 80.057, 29.411



85, 21.292, 17.702



61, 103.358, 326.244



43, 14.445, 18.012



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, 80.057, 29.411



54, 95.558, 35.339



71, 67.114, 61.205



49, 5.169, 16.471



39, 81.547, 38.336



9, 31.886, 24.421

Inverse Universe

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



57, 80.057, 29.411



54, 95.558, 35.339



67, 50.262, 267.678



49, 5.169, 16.471



39, 81.547, 38.336



9, 31.886, 24.421

Previews

White Background



This preview shows how the CIELCh color 57, 80.060, 29.409 looks on a white background.

Color Contrast Check

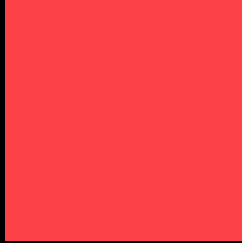
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.060, 29.409 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, 80.060, 29.409

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.060, 29.409.

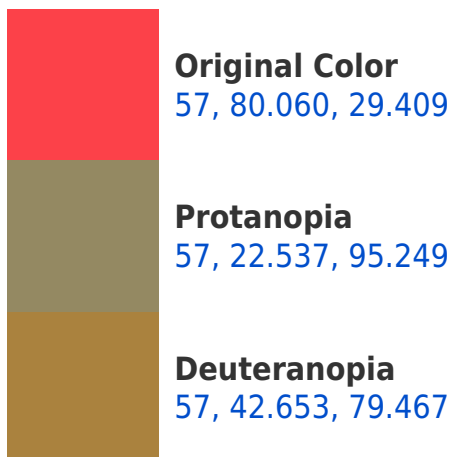


This preview shows how white text looks on a background with the CIELCh color 57, 80.060, 29.409.

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, 81.053, 31.344

Trichromacy



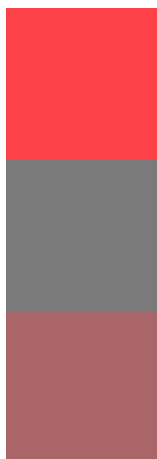
Original Color
57, 80.060, 29.409

Protanomaly
55, 37.040, 42.274

Deuteranomaly
55, 51.518, 48.691

Tritanomaly
57, 80.564, 30.657

Monochromacy



Original Color
57, 80.060, 29.409

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 29.522, 19.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.060, 29.409 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(252, 65, 73)` looks like.

```
.text, #text, p{  
    color:rgb(252, 65, 73)  
}
```

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(252, 65, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 65, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.060, 29.409 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(252, 65, 73) }
```

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

```
.border{ border-color:rgb(252, 65, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 65, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 65, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 65, 73);  
box-shadow:4px 4px 4px 4px rgb(252, 65,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.060, 29.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 65, 73) }
```

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

```
.background{ background-color: rgb(252, 65,  
73) }
```

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