

Converting Colors

CIELCh(57, 83.687, 33.688)

Have a look what the booklet for
CIELCh(57, 83.687, 33.688) contains.

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Color

CIELCh(57, 83.676, 33.796)

Conversions

Conversions Part 1

Format	Color
Hex	FD413C
RGB	253, 65, 60
RGB Percent	99%, 25%, 24%
CMY	0.0087, 0.7459, 0.7653
CMYK	0.00, 0.74, 0.76, 0.01
HSL	2°, 98%, 61%
HSV	2°, 76%, 99%
XYZ	43.1194, 24.9227, 6.7919
YIQ	120.6420, 113.6530, 38.3010

Conversions

Conversions Part 2

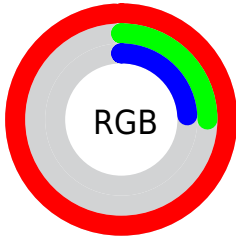
Format	Color
RYB	253, 65, 60
Decimal	16597308
CIELab	57.00, 69.54, 46.54
CIElCh	57, 83.676, 33.796
Yxy	24.9227, 0.5762, 0.3330
Android (android.graphics.Color)	4294787388 (0xFFFD413C)
YUV	120.6420, -29.8965, 116.0780
Hunter-Lab	49.9226, 66.8104, 26.8795

Details

The CIELCh color **57, 83.676, 33.796** 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 **89, 45.420, 199.920**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 57.552, 34.118**, and **39, 79.832, 36.869** is the 20% darker color. If you saturate the color by 10%, you get **55, 94.252, 37.045**, and if you desaturate by 10%, it is **61, 71.871, 30.719**.

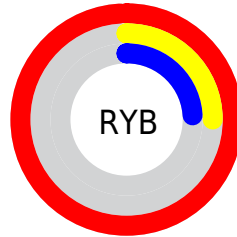
Distribution



Red (99%)

Green (25%)

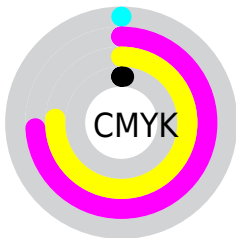
Blue (24%)



Red (99%)

Yellow (25%)

Blue (24%)

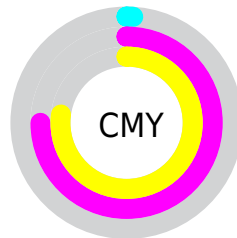


Cyan (0%)

Magenta (74%)

Yellow (76%)

Black (1%)



Cyan (1%)

Magenta (75%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 83.676, 33.796 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, 83.676, 33.796 by changing the saturation by 10% instead.

 57, 83.676, 33.796

 57, 83.676, 33.796

 100, 83.676,
33.796

 47, 83.676, 33.796

 77, 83.676, 33.796

 37, 83.676, 33.796

 87, 83.676, 33.796

 27, 83.676, 33.796

 97, 83.676, 33.796

 17, 83.676, 33.796

 7, 83.676, 33.796


 0, 83.676, 33.796

 57, 83.676, 33.796

 57, 83.676, 33.796

 55, 94.252, 37.045

 61, 71.871, 30.719

 53, 101.709,

 65, 59.716, 28.159

39.472

70, 47.692, 26.151

53, 103.578,
40.182

76, 36.119, 24.614

82, 25.195, 23.447

88, 15.012, 22.555

95, 5.585, 21.819

100, 0.770,
200.217

Harmonies

Complementary

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



57, 83.676, 33.796



89, 45.420, 199.920

Rectangle

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



57, 83.676, 33.796



57, 83.676, 83.796



57, 83.676, 213.796



57, 83.676, 263.796

Sweetspot

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



57, 83.673, 33.798



85, 21.881, 23.126



62, 104.264, 328.513



43, 15.363, 23.478



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, 83.673, 33.798



54, 99.735, 38.623



74, 68.870, 66.877



50, 5.122, 22.051



40, 83.876, 40.258



10, 32.842, 28.427

Inverse Universe

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



89, 45.420, 199.920



89, 47.979, 200.286



62, 57.682, 276.140



52, 4.818, 201.241



69, 38.945, 200.494



23, 17.991, 199.983

Previews

White Background



This preview shows how the CIELCh color 57, 83.676, 33.796 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, 83.676, 33.796 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, 83.676, 33.796

Background



This preview shows how black text looks on a background with the CIELCh color 57, 83.676, 33.796.



This preview shows how white text looks on a background with the CIELCh color 57, 83.676, 33.796.

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

57, 83.676, 33.796

Protanopia

57, 31.337, 95.730

Deuteranopia

57, 49.932, 81.610



Tritanopia
57, 82.331, 31.683

Trichromacy



Original Color
57, 83.676, 33.796

Protanomaly
54, 42.552, 51.362

Deuteranomaly
55, 57.310, 54.065

Tritanomaly
57, 82.836, 32.340

Monochromacy



Original Color
57, 83.676, 33.796

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 30.108, 25.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 83.676, 33.796 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(253, 65, 60)` looks like.

```
.text, #text, p{  
  color:rgb(253, 65, 60)  
}
```

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(253, 65, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 65, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 83.676, 33.796 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(253, 65, 60) }
```

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

```
.border{ border-color:rgb(253, 65, 60) }
```

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

Here you see how a box with a 4 pixel rgb(253, 65, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 65, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 65, 60);  
box-shadow:4px 4px 4px 4px rgb(253, 65,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 83.676, 33.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 65, 60) }
```

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

```
.background{ background-color: rgb(253, 65,  
60) }
```

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](#).

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