

Converting Colors

CIELCh(61, 80.664, 42.455)

Have a look what the booklet for
CIELCh(61, 80.664, 42.455) contains.

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Color

CIELCh(61, 80.590, 42.566)

Conversions

Conversions Part 1

Format	Color
Hex	FE5D34
RGB	254, 93, 52
RGB Percent	100%, 36%, 20%
CMY	0.0028, 0.6343, 0.7952
CMYK	0.00, 0.63, 0.79, 0.00
HSL	12°, 99%, 60%
HSV	12°, 79%, 100%
XYZ	45.5402, 29.2481, 6.5197
YIQ	136.4650, 109.1170, 21.3810

Conversions

Conversions Part 2

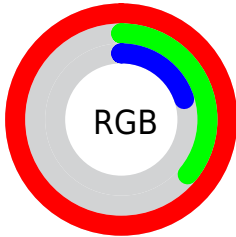
Format	Color
RYB	254, 103, 52
Decimal	16670004
CIELab	61.00, 59.35, 54.51
CIELCh	61, 80.590, 42.566
Yxy	29.2481, 0.5601, 0.3597
Android (android.graphics.Color)	4294860084 (0xFFFE5D34)
YUV	136.4650, -41.6412, 103.0782
Hunter-Lab	54.0815, 55.6659, 30.7095

Details

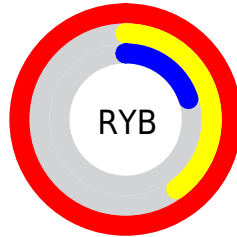
The CIELCh color **61, 80.590, 42.566** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **79, 41.310, 229.712**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 54.875, 49.512**, and **41, 80.389, 42.462** is the 20% darker color. If you saturate the color by 10%, you get **58, 91.309, 43.264**, and if you desaturate by 10%, it is **65, 68.767, 41.607**.

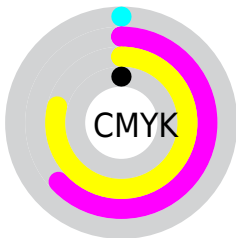
Distribution



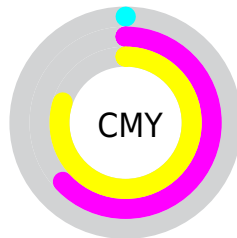
- Red (100%)
- Green (36%)
- Blue (20%)



- Red (100%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (63%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 80.590, 42.566 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 61, 80.590, 42.566 by changing the saturation by 10% instead.

 61, 80.590, 42.566

 61, 80.590, 42.566

 100, 80.590,
42.566

 51, 80.590, 42.566

 81, 80.590, 42.566

 41, 80.590, 42.566

 91, 80.590, 42.566

 31, 80.590, 42.566

 21, 80.590, 42.566

 11, 80.590, 42.566

 1, 80.590, 42.566

 0, 80.590, 42.566

 61, 80.590, 42.566

 61, 80.590, 42.566

 58, 91.309, 43.264

 65, 68.767, 41.607

56, 99.162, 43.123

69, 56.940, 40.754

56, 99.537, 43.128

73, 45.587, 40.123

78, 34.913, 39.726

84, 24.993, 39.531

89, 15.829, 39.495

94, 7.382, 39.559

100, 0.247,
202.076

Harmonies

Complementary

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



61, 80.590, 42.566



79, 41.310, 229.712

Rectangle

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



61, 80.590, 42.566



61, 80.590, 92.566



61, 80.590, 222.566



61, 80.590, 272.566

Sweetspot

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



61, 80.587, 42.569



87, 19.938, 39.495



60, 94.084, 336.271



44, 13.905, 39.513



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 80.587, 42.569



57, 96.250, 43.261



82, 74.282, 82.580



50, 4.445, 39.558



42, 79.889, 43.539



12, 29.935, 37.350

Inverse Universe

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



79, 41.310, 229.712



77, 43.637, 235.110



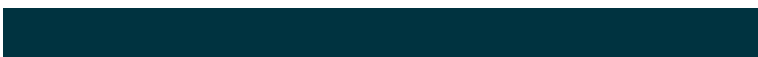
51, 81.688, 291.975



52, 4.188, 220.220



58, 35.454, 236.350



19, 16.161, 231.001

Previews

White Background



This preview shows how the CIELCh color 61, 80.590, 42.566 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 61, 80.590, 42.566 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 61, 80.590, 42.566

Background



This preview shows how black text looks on a background with the CIELCh color 61, 80.590, 42.566.



This preview shows how white text looks on a background with the CIELCh color 61, 80.590, 42.566.

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

61, 80.590, 42.566

Protanopia

61, 44.368, 95.733

Deuteranopia

61, 57.166, 82.246



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 80.590, 42.566

Protanomaly
60, 50.198, 65.684

Deuteranomaly
60, 61.572, 62.909

Tritanomaly
61, 73.861, 33.547

Monochromacy



Original Color
61, 80.590, 42.566

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 27.564, 39.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 80.590, 42.566 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, 93, 52)` looks like.

```
.text, #text, p{  
    color:rgb(254, 93, 52)  
}
```

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, 93, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 93, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 80.590, 42.566 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, 93, 52) }
```

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

```
.border{ border-color:rgb(254, 93, 52) }
```

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

Here you see how a box with a 4 pixel rgb(254, 93, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 93, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 93, 52);  
box-shadow:4px 4px 4px 4px rgb(254, 93,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 80.590, 42.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 93, 52) }
```

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

```
.background{ background-color: rgb(254, 93,  
52) }
```

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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