

Converting Colors

CIELCh(61, 79.702, 38.215)

Have a look what the booklet for
CIELCh(61, 79.702, 38.215) contains.

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Color

CIELCh(61, 78.650, 38.348)

Conversions

Conversions Part 1

Format	Color
Hex	FF5A40
RGB	255, 90, 64
RGB Percent	100%, 35%, 25%
CMY	0.0000, 0.6461, 0.7489
CMYK	0.00, 0.65, 0.75, 0.00
HSL	8°, 100%, 63%
HSV	8°, 75%, 100%
XYZ	46.3577, 29.2481, 8.0558
YIQ	136.3710, 106.6860, 26.8940

Conversions

Conversions Part 2

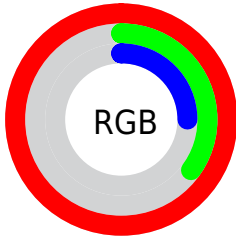
Format	Color
R_{YB}	255, 94, 64
Decimal	16734784
CIE Lab	61.00, 61.68, 48.80
CIE LCh	61, 78.650, 38.348
Yxy	29.2481, 0.5541, 0.3496
Android (android.graphics.Color)	4294924864 (0xFFFF5A40)
YUV	136.3710, -35.6789, 104.0376
Hunter-Lab	54.0815, 58.3642, 29.0255

Details

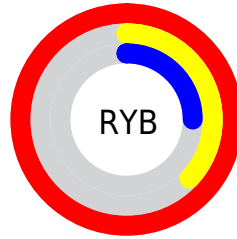
The CIELCh color **61, 78.650, 38.348** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **84, 41.126, 216.916**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 51.666, 43.533**, and **41, 78.034, 38.248** is the 20% darker color. If you saturate the color by 10%, you get **58, 89.589, 40.123**, and if you desaturate by 10%, it is **65, 65.957, 36.683**.

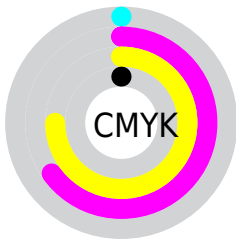
Distribution



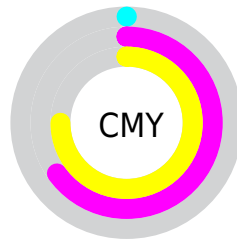
- Red (100%)
- Green (35%)
- Blue (25%)



- Red (100%)
- Yellow (37%)
- Blue (25%)



- Cyan (0%)
- Magenta (65%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 78.650, 38.348 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, 78.650, 38.348 by changing the saturation by 10% instead.

 61, 78.650, 38.348

 61, 78.650, 38.348

 100, 78.650,
38.348

 51, 78.650, 38.348

 81, 78.650, 38.348

 41, 78.650, 38.348

 91, 78.650, 38.348

 31, 78.650, 38.348

 21, 78.650, 38.348

 11, 78.650, 38.348

 1, 78.650, 38.348

 0, 78.650, 38.348

 61, 78.650, 38.348

 61, 78.650, 38.348

 58, 89.589, 40.123

 65, 65.957, 36.683

55, 98.735, 41.250

69, 53.968, 35.290

55, 102.080,
41.532

74, 42.494, 34.233

80, 31.712, 33.476

85, 21.693, 32.962

91, 12.441, 32.628

97, 3.920, 32.350

100, 0.012,
296.813

Harmonies

Complementary

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



61, 78.650, 38.348



84, 41.126, 216.916

Rectangle

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



61, 78.650, 38.348



61, 78.650, 88.348



61, 78.650, 218.348



61, 78.650, 268.348

Sweetspot

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



61, 78.091, 38.374



87, 18.938, 32.850



62, 95.910, 332.890



45, 12.872, 32.954



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, 78.091, 38.374



56, 94.713, 40.841



80, 69.339, 77.642



50, 4.643, 32.493



41, 81.852, 41.832



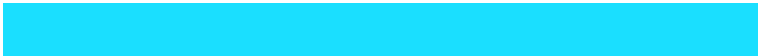
11, 30.897, 33.914

Inverse Universe

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



84, 41.126, 216.916



82, 43.266, 219.948



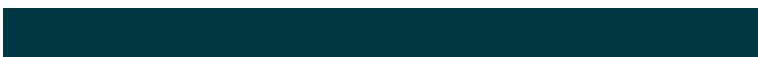
57, 69.111, 285.862



52, 4.364, 212.561



62, 35.215, 222.007



20, 16.316, 218.515

Previews

White Background



This preview shows how the CIELCh color 61, 78.650, 38.348 looks on a white background.

Color Contrast Check

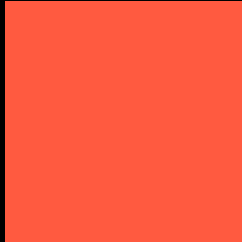
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.650, 38.348 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, 78.650, 38.348

Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.650, 38.348.



This preview shows how white text looks on a background with the CIELCh color 61, 78.650, 38.348.

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, 78.151, 38.314

Protanopia

61, 36.291, 96.142

Deuteranopia

61, 51.343, 81.649



Tritanopia
61, 71.420, 27.253

Trichromacy



Original Color
61, 78.151, 38.314

Protanomaly
59, 44.135, 60.468

Deuteranomaly
60, 56.546, 59.496

Tritanomaly
61, 73.601, 31.869

Monochromacy



Original Color
61, 78.151, 38.314

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 26.876, 34.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.650, 38.348 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, 90, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 64)  
}
```

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, 90, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.650, 38.348 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, 90, 64) }
```

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

```
.border{ border-color:rgb(255, 90, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 90, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.650, 38.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 64) }
```

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

```
.background{ background-color: rgb(255, 90,  
64) }
```

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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