

Converting Colors

CIELCh(61, 81.214, 42.569)

Have a look what the booklet for
CIELCh(61, 81.214, 42.569) contains.

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Color

CIELCh(61, 81.273, 42.773)

Conversions

Conversions Part 1

Format	Color
Hex	FF5D33
RGB	255, 93, 51
RGB Percent	100%, 36%, 20%
CMY	0.0009, 0.6360, 0.8007
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.6464, 29.2481, 6.3517
YIQ	136.6500, 110.0340, 21.2820

Conversions

Conversions Part 2

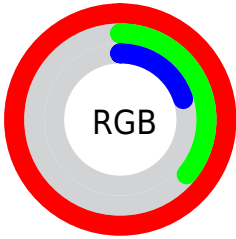
Format	Color
R_{YB}	255, 104, 51
Decimal	16735539
CIE _{Lab}	61.00, 59.66, 55.19
CIE _{LCh}	61, 81.273, 42.773
Yxy	29.2481, 0.5618, 0.3600
Android (android.graphics.Color)	4294925619 (0xFFFF5D33)
YUV	136.6500, -42.2254, 103.7930
Hunter-Lab	54.0815, 56.0165, 30.8936

Details

The CIELCh color **61, 81.273, 42.773** 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, 41.500, 230.404**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 55.216, 49.907**, and **41, 80.739, 42.433** is the 20% darker color. If you saturate the color by 10%, you get **58, 91.881, 43.399**, and if you desaturate by 10%, it is **65, 69.469, 41.849**.

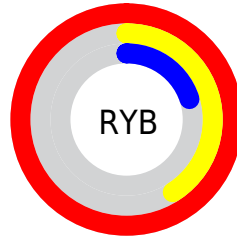
Distribution



Red (100%)

Green (36%)

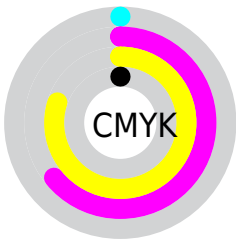
Blue (20%)



Red (100%)

Yellow (41%)

Blue (20%)

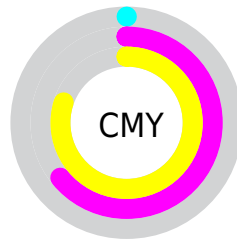


Cyan (0%)

Magenta (64%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (64%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 81.273, 42.773 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, 81.273, 42.773 by changing the saturation by 10% instead.

61, 81.273, 42.773

61, 81.273, 42.773

100, 81.273,
42.773

51, 81.273, 42.773

81, 81.273, 42.773

41, 81.273, 42.773

91, 81.273, 42.773

31, 81.273, 42.773

21, 81.273, 42.773

11, 81.273, 42.773

1, 81.273, 42.773

0, 81.273, 42.773

61, 81.273, 42.773

61, 81.273, 42.773

58, 91.881, 43.399

65, 69.469, 41.849

56, 99.571, 43.207

69, 57.620, 41.013

73, 46.230, 40.392

78, 35.513, 40.002

83, 25.550, 39.815

89, 16.343, 39.787

94, 7.857, 39.862

100, 0.036, 21.726

100, 0.080,
207.744

Harmonies

Complementary

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



61, 81.273, 42.773



79, 41.500, 230.404

Rectangle

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



61, 81.273, 42.773



61, 81.273, 92.773



61, 81.273, 222.773



61, 81.273, 272.773

Sweetspot

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



61, 81.270, 42.776



87, 19.907, 39.782



60, 94.514, 336.325



44, 13.883, 39.795



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, 81.270, 42.776



57, 96.850, 43.309



82, 74.784, 82.475



50, 4.439, 39.867



42, 79.795, 43.625



12, 29.894, 37.510

Inverse Universe

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



79, 41.500, 230.404



77, 43.789, 236.102



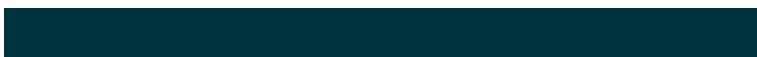
51, 82.479, 292.183



52, 4.182, 220.553



58, 35.509, 236.951



19, 16.170, 231.533

Previews

White Background



This preview shows how the CIELCh color 61, 81.273, 42.773 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, 81.273, 42.773 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, 81.273, 42.773

Background



This preview shows how black text looks on a background with the CIELCh color 61, 81.273, 42.773.



This preview shows how white text looks on a background with the CIELCh color 61, 81.273, 42.773.

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, 81.273, 42.773

Protanopia

61, 44.843, 95.770

Deuteranopia

61, 58.056, 81.994



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 81.273, 42.773

Protanomaly
60, 51.020, 66.238

Deuteranomaly
60, 62.598, 63.032

Tritanomaly
61, 74.355, 33.625

Monochromacy



Original Color
61, 81.273, 42.773

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 27.617, 39.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 81.273, 42.773 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, 93, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 51)  
}
```

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, 93, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 81.273, 42.773 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, 93, 51) }
```

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

```
.border{ border-color:rgb(255, 93, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 81.273, 42.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 51) }
```

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

```
.background{ background-color: rgb(255, 93,  
51) }
```

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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