

Converting Colors

CIELCh(64, 88.551, 40.665)

Have a look what the booklet for
CIELCh(64, 88.551, 40.665) contains.

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Color

CIELCh(61, 81.021, 41.187)

Conversions

Conversions Part 1

Format	Color
Hex	FF5B37
RGB	255, 91, 55
RGB Percent	100%, 36%, 22%
CMY	0.0000, 0.6430, 0.7848
CMYK	0.00, 0.64, 0.78, 0.00
HSL	11°, 100%, 61%
HSV	11°, 78%, 100%
XYZ	46.1079, 29.2481, 6.8141
YIQ	135.9320, 109.3000, 23.5720

Conversions

Conversions Part 2

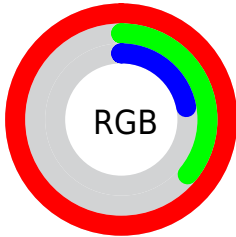
Format	Color
R_{YB}	255, 99, 55
Decimal	16735031
CIE Lab	61.00, 60.97, 53.35
CIE LCh	61, 81.021, 41.187
Yxy	29.2481, 0.5611, 0.3559
Android (android.graphics.Color)	4294925111 (0xFFFF5B37)
YUV	135.9320, -39.8995, 104.4226
Hunter-Lab	54.0815, 57.5397, 30.3867

Details

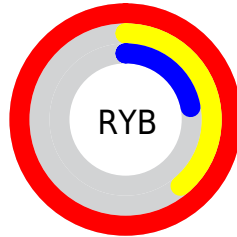
The CIELCh color **61, 81.021, 41.187** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **81, 41.229, 225.316**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 54.016, 47.702**, and **41, 80.410, 41.171** is the 20% darker color. If you saturate the color by 10%, you get **58, 91.512, 42.278**, and if you desaturate by 10%, it is **64, 68.593, 40.004**.

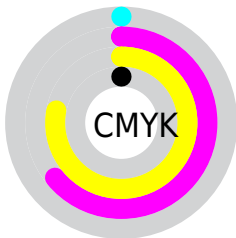
Distribution



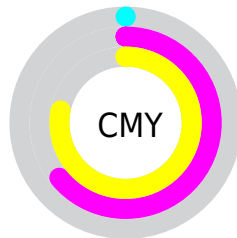
- Red (100%)
- Green (36%)
- Blue (22%)



- Red (100%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 81.021, 41.187 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, 81.021, 41.187 by changing the saturation by 10% instead.

61, 81.021, 41.187

61, 81.021, 41.187

100, 81.021,
41.187

51, 81.021, 41.187

81, 81.021, 41.187

41, 81.021, 41.187

91, 81.021, 41.187

31, 81.021, 41.187

21, 81.021, 41.187

11, 81.021, 41.187

1, 81.021, 41.187

0, 81.021, 41.187

61, 81.021, 41.187

61, 81.021, 41.187

58, 91.512, 42.278

64, 68.593, 40.004

56, 99.581, 42.465

69, 56.663, 38.942

55, 100.625,
42.508

73, 45.215, 38.142

79, 34.450, 37.601

84, 24.445, 37.281

89, 15.204, 37.131

95, 6.690, 37.083

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, 81.021, 41.187



81, 41.229, 225.316

Rectangle

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



61, 81.021, 41.187



61, 81.021, 91.187



61, 81.021, 221.187



61, 81.021, 271.187

Sweetspot

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



61, 80.551, 41.232



86, 20.212, 37.196



61, 95.936, 334.600



44, 14.097, 37.261



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, 80.551, 41.232



56, 96.425, 42.506



81, 72.855, 79.903



50, 4.505, 37.088



42, 80.616, 42.884



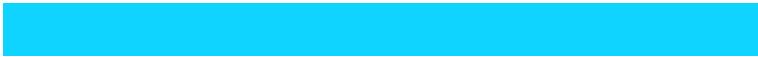
12, 30.263, 36.103

Inverse Universe

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



81, 41.229, 225.316



79, 43.266, 229.990



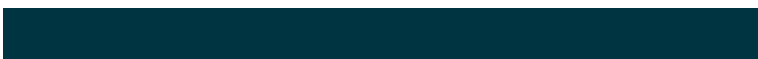
54, 76.677, 289.520



52, 4.240, 217.544



60, 35.144, 231.448



19, 16.134, 226.693

Previews

White Background



This preview shows how the CIELCh color 61, 81.021, 41.187 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, 81.021, 41.187 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, 81.021, 41.187

Background



This preview shows how black text looks on a background with the CIELCh color 61, 81.021, 41.187.



This preview shows how white text looks on a background with the CIELCh color 61, 81.021, 41.187.

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, 80.525, 41.187

Protanopia

61, 41.984, 95.478

Deuteranopia

61, 55.887, 82.407



Tritanopia
61, 71.420, 27.253

Trichromacy



Original Color
61, 80.525, 41.187

Protanomaly
59, 48.616, 64.448

Deuteranomaly
60, 60.579, 61.736

Tritanomaly
61, 74.340, 32.981

Monochromacy



Original Color
61, 80.525, 41.187

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 27.116, 37.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 81.021, 41.187 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, 91, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 55)  
}
```

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, 91, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 81.021, 41.187 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, 91, 55) }
```

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

```
.border{ border-color:rgb(255, 91, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 91, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 81.021, 41.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 55) }
```

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

```
.background{ background-color: rgb(255, 91,  
55) }
```

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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