

Converting Colors

CIELCh(61, 82.152, 42.823)

Have a look what the booklet for
CIELCh(61, 82.152, 42.823) contains.

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Color

CIELCh(61, 81.765, 42.751)

Conversions

Conversions Part 1

Format	Color
Hex	FF5C32
RGB	255, 92, 50
RGB Percent	100%, 36%, 20%
CMY	0.0000, 0.6382, 0.8030
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.7803, 29.2481, 6.2756
YIQ	135.9490, 110.6300, 21.4940

Conversions

Conversions Part 2

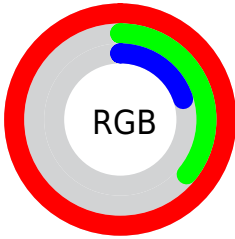
Format	Color
R_{YB}	255, 103, 50
Decimal	16735282
CIE _{Lab}	61.00, 60.04, 55.50
CIE _{LCh}	61, 81.765, 42.751
Yxy	29.2481, 0.5631, 0.3597
Android (android.graphics.Color)	4294925362 (0xFFFF5C32)
YUV	135.9490, -42.3729, 104.4077
Hunter-Lab	54.0815, 56.4585, 30.9771

Details

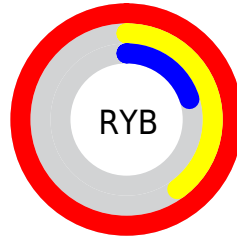
The CIELCh color **61, 81.765, 42.751** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **79, 41.577, 230.379**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 55.691, 49.719**, and **41, 81.036, 42.180** is the 20% darker color. If you saturate the color by 10%, you get **58, 92.210, 43.381**, and if you desaturate by 10%, it is **65, 69.846, 41.836**.

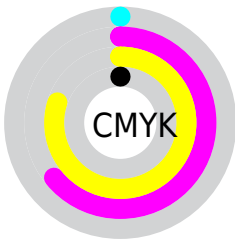
Distribution



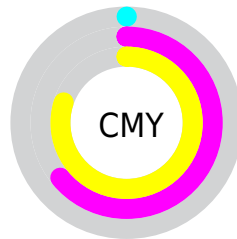
- Red (100%)
- Green (36%)
- Blue (20%)



- Red (100%)
- Yellow (40%)
- 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, 81.765, 42.751 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, 81.765, 42.751 by changing the saturation by 10% instead.

 61, 81.765, 42.751

 61, 81.765, 42.751

 100, 81.765,
42.751

 51, 81.765, 42.751

 81, 81.765, 42.751

 41, 81.765, 42.751

 91, 81.765, 42.751

 31, 81.765, 42.751

 21, 81.765, 42.751

 11, 81.765, 42.751

 1, 81.765, 42.751

 0, 81.765, 42.751

 61, 81.765, 42.751

 61, 81.765, 42.751

 58, 92.210, 43.381

 65, 69.846, 41.836

56, 99.663, 43.189

69, 57.979, 40.989

73, 46.561, 40.358

78, 35.815, 39.958

83, 25.821, 39.762

89, 16.586, 39.728

94, 8.073, 39.799

100, 0.226, 37.214

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, 81.765, 42.751



79, 41.577, 230.379

Rectangle

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



61, 81.765, 42.751



61, 81.765, 92.751



61, 81.765, 222.751



61, 81.765, 272.751

Sweetspot

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



61, 81.645, 42.768



87, 19.913, 39.724



60, 94.704, 336.349



44, 13.887, 39.738



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, 81.645, 42.768



57, 96.873, 43.289



82, 75.006, 82.429



50, 4.440, 39.805



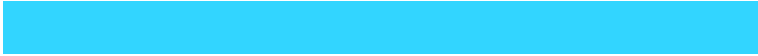
42, 79.814, 43.608



12, 29.902, 37.478

Inverse Universe

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



79, 41.577, 230.379



77, 43.777, 235.984



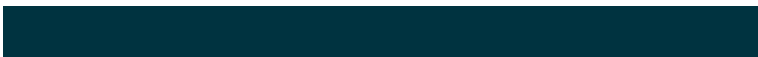
51, 82.830, 292.273



52, 4.184, 220.487



58, 35.497, 236.831



19, 16.168, 231.426

Previews

White Background



This preview shows how the CIELCh color 61, 81.765, 42.751 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, 81.765, 42.751 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, 81.765, 42.751

Background



This preview shows how black text looks on a background with the CIELCh color 61, 81.765, 42.751.



This preview shows how white text looks on a background with the CIELCh color 61, 81.765, 42.751.

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, 81.765, 42.751

Protanopia

61, 45.315, 95.805

Deuteranopia

61, 58.193, 82.492



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 81.765, 42.751

Protanomaly
60, 51.020, 66.238

Deuteranomaly
60, 62.594, 63.493

Tritanomaly
61, 74.355, 33.625

Monochromacy



Original Color
61, 81.765, 42.751

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, 81.765, 42.751 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, 92, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 50)  
}
```

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, 92, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 81.765, 42.751 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, 92, 50) }
```

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

```
.border{ border-color:rgb(255, 92, 50) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 81.765, 42.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 50) }
```

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

```
.background{ background-color: rgb(255, 92,  
50) }
```

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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