

Converting Colors

CIELCh(61, 78.376, 42.609)

Have a look what the booklet for
CIELCh(61, 78.376, 42.609) contains.

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Color

CIELCh(61, 78.306, 42.735)

Conversions

Conversions Part 1

Format	Color
Hex	FC6037
RGB	252, 96, 55
RGB Percent	99%, 38%, 22%
CMY	0.0128, 0.6243, 0.7851
CMYK	0.00, 0.62, 0.78, 0.01
HSL	12°, 97%, 60%
HSV	12°, 78%, 99%
XYZ	44.9012, 29.2481, 6.8696
YIQ	137.9700, 106.1370, 20.3210

Conversions

Conversions Part 2

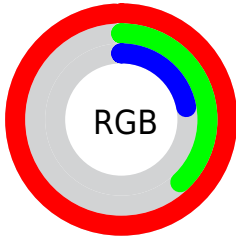
Format	Color
R_{YB}	252, 107, 55
Decimal	16539703
CIE _{Lab}	61.00, 57.52, 53.14
CIE _{LCh}	61, 78.306, 42.735
Yxy	29.2481, 0.5542, 0.3610
Android (android.graphics.Color)	4294729783 (0xFFFC6037)
YUV	137.9700, -40.9042, 100.0043
Hunter-Lab	54.0815, 53.5567, 30.3259

Details

The CIELCh color **61, 78.306, 42.735** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **79, 40.752, 230.256**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 53.457, 50.090**, and **41, 78.180, 42.682** is the 20% darker color. If you saturate the color by 10%, you get **58, 89.160, 43.437**, and if you desaturate by 10%, it is **65, 66.556, 41.835**.

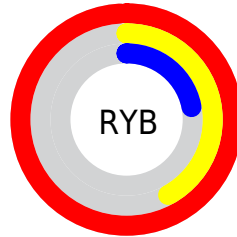
Distribution



Red (99%)

Green (38%)

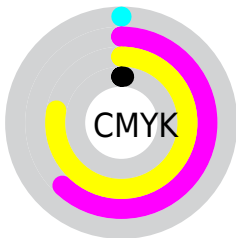
Blue (22%)



Red (99%)

Yellow (42%)

Blue (22%)

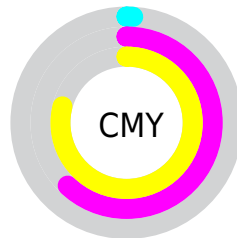


Cyan (0%)

Magenta (62%)

Yellow (78%)

Black (1%)



Cyan (1%)

Magenta (62%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 78.306, 42.735 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, 78.306, 42.735 by changing the saturation by 10% instead.

 61, 78.306, 42.735

 61, 78.306, 42.735

 100, 78.306,
42.735

 51, 78.306, 42.735

 81, 78.306, 42.735

 41, 78.306, 42.735

 91, 78.306, 42.735

 31, 78.306, 42.735

 21, 78.306, 42.735

 11, 78.306, 42.735

 1, 78.306, 42.735

 0, 78.306, 42.735

 61, 78.306, 42.735

 61, 78.306, 42.735

 58, 89.160, 43.437

 65, 66.556, 41.835

56, 97.318, 43.298

69, 54.891, 41.057

55, 98.562, 43.289

73, 43.736, 40.500

78, 33.271, 40.167

84, 23.556, 40.026

89, 14.584, 40.036

94, 6.315, 40.128

100, 1.131,
199.920

Harmonies

Complementary

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



61, 78.306, 42.735



79, 40.752, 230.256

Rectangle

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



61, 78.306, 42.735



61, 78.306, 92.735



61, 78.306, 222.735



61, 78.306, 272.735

Sweetspot

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



61, 78.303, 42.738



87, 18.973, 40.015



60, 92.704, 336.156



45, 13.334, 40.019



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, 78.303, 42.738



57, 95.271, 43.478



81, 72.845, 82.803



49, 4.360, 40.117



42, 78.901, 43.719



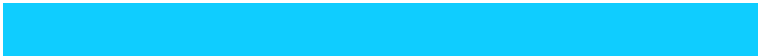
11, 28.614, 37.015

Inverse Universe

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



79, 40.752, 230.256



77, 43.638, 235.764



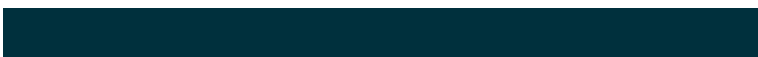
52, 79.628, 291.529



51, 4.110, 220.823



57, 35.198, 237.394



18, 15.746, 231.663

Previews

White Background



This preview shows how the CIELCh color 61, 78.306, 42.735 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, 78.306, 42.735 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, 78.306, 42.735

Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.306, 42.735.



This preview shows how white text looks on a background with the CIELCh color 61, 78.306, 42.735.

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, 78.306, 42.735

Protanopia

61, 42.842, 96.209

Deuteranopia

61, 55.718, 81.877



Tritanopia
61, 69.231, 26.723

Trichromacy



Original Color
61, 78.306, 42.735

Protanomaly
60, 48.731, 66.560

Deuteranomaly
60, 60.122, 63.102

Tritanomaly
61, 72.066, 33.367

Monochromacy



Original Color
61, 78.306, 42.735

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 26.187, 40.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.306, 42.735 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(252, 96, 55)` looks like.

```
.text, #text, p{  
    color:rgb(252, 96, 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(252, 96, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 96, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.306, 42.735 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(252, 96, 55) }
```

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

```
.border{ border-color:rgb(252, 96, 55) }
```

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

Here you see how a box with a 4 pixel rgb(252, 96, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 96, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 96, 55);  
box-shadow:4px 4px 4px 4px rgb(252, 96,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.306, 42.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 96, 55) }
```

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

```
.background{ background-color: rgb(252, 96,  
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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