

Converting Colors

CIELCh(63, 78.577, 46.818)

Have a look what the booklet for
CIELCh(63, 78.577, 46.818) contains.

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Color

CIELCh(63, 78.605, 46.935)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FE6A32 |
| RGB | 254, 106, 50 |
| RGB Percent | 100%, 42%, 20% |
| CMY | 0.0042, 0.5845, 0.8041 |
| CMYK | 0.00, 0.58, 0.80, 0.00 |
| HSL | 16°, 99%, 60% |
| HSV | 16°, 80%, 100% |
| XYZ | 46.5745, 31.5869, 6.6545 |
| YIQ | 143.8680, 106.1840, 13.9600 |

Conversions

Conversions Part 2

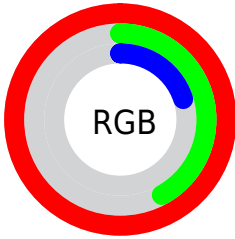
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 254, 127, 50 |
| Decimal | 16673330 |
| CIELab | 63.00, 53.67, 57.43 |
| CIElCh | 63, 78.605, 46.935 |
| Yxy | 31.5869, 0.5491, 0.3724 |
| Android (android.graphics.Color) | 4294863410 (0xFFFE6A32) |
| YUV | 143.8680, -46.2769, 96.5858 |
| Hunter-Lab | 56.2022, 49.5681, 32.3215 |

Details

The CIELCh color **63, 78.605, 46.935** 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 **75, 42.800, 243.238**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 54.055, 57.105**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **60, 88.824, 46.677**, and if you desaturate by 10%, it is **67, 67.223, 46.806**.

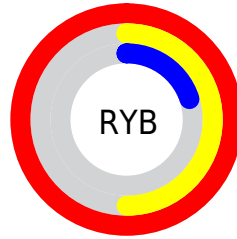
Distribution



Red (100%)

Green (42%)

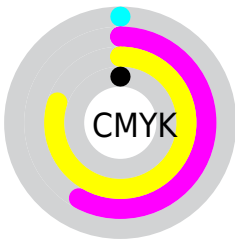
Blue (20%)



Red (100%)

Yellow (50%)

Blue (20%)

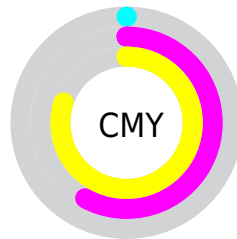


Cyan (0%)

Magenta (58%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 78.605, 46.935 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 63, 78.605, 46.935 by changing the saturation by 10% instead.

63, 78.605, 46.935

63, 78.605, 46.935

100, 78.605,
46.935

53, 78.605, 46.935

83, 78.605, 46.935

43, 78.605, 46.935

93, 78.605, 46.935

33, 78.605, 46.935

23, 78.605, 46.935

13, 78.605, 46.935

3, 78.605, 46.935

0, 78.605, 46.935

63, 78.605, 46.935

63, 78.605, 46.935

60, 88.824, 46.677

67, 67.223, 46.806

57, 96.206, 45.663

71, 55.800, 46.654

75, 44.833, 46.618

80, 34.522, 46.731

84, 24.930, 46.984

89, 16.049, 47.349

94, 7.837, 47.780

99, 0.236, 45.770

100, 0.368,
201.181

Harmonies

Complementary

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



63, 78.605, 46.935



75, 42.800, 243.238

Rectangle

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



63, 78.605, 46.935



63, 78.605, 96.935



63, 78.605, 226.935



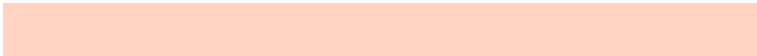
63, 78.605, 276.935

Sweetspot

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



63, 78.602, 46.938



88, 19.295, 47.204



59, 90.306, 339.878



45, 13.448, 47.075



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 78.602, 46.938



59, 93.697, 46.097



85, 77.087, 87.888



50, 4.315, 47.815



44, 77.245, 46.188



13, 28.901, 41.954

Inverse Universe

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



75, 42.800, 243.238



72, 46.654, 250.315



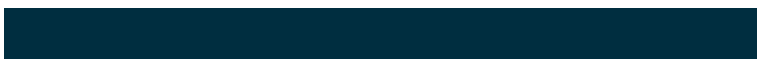
48, 91.043, 295.902



51, 4.087, 229.118



54, 38.022, 251.350



17, 16.811, 244.604

Previews

White Background



This preview shows how the CIELCh color 63, 78.605, 46.935 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 78.605, 46.935 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 78.605, 46.935

Background



This preview shows how black text looks on a background with the CIELCh color 63, 78.605, 46.935.



This preview shows how white text looks on a background with the CIELCh color 63, 78.605, 46.935.

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

63, 78.605, 46.935

Protanopia

63, 48.517, 95.666

Deuteranopia

63, 60.010, 82.321



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 78.605, 46.935

Protanomaly
62, 53.371, 70.531

Deuteranomaly
62, 63.582, 66.072

Tritanomaly
63, 69.144, 34.688

Monochromacy



Original Color
63, 78.605, 46.935

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 26.450, 46.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 78.605, 46.935 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(254, 106, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 106, 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(254, 106, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 106, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 78.605, 46.935 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(254, 106, 50) }
```

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

```
.border{ border-color:rgb(254, 106, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 106, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 106, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 106, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 106,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 78.605, 46.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 106, 50) }
```

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

```
.background{ background-color: rgb(254,  
106, 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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