

Converting Colors

CIELCh(66, 83.461, 44.651)

Have a look what the booklet for
CIELCh(66, 83.461, 44.651) contains.

CIELCh(63, 76.997, 45.709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 76.997, 45.709)

Conversions

Conversions Part 1

Format	Color
Hex	FE6A37
RGB	254, 106, 55
RGB Percent	100%, 42%, 22%
CMY	0.0050, 0.5846, 0.7842
CMYK	0.00, 0.58, 0.78, 0.01
HSL	15°, 99%, 61%
HSV	15°, 78%, 99%
XYZ	46.6077, 31.5869, 7.2579
YIQ	144.4380, 104.5790, 15.5150

Conversions

Conversions Part 2

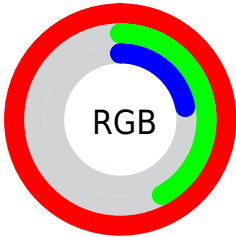
Format	Color
R_{YB}	254, 124, 55
Decimal	16673335
CIE _{Lab}	63.00, 53.77, 55.11
CIE _{LCh}	63, 76.997, 45.709
Yxy	31.5869, 0.5454, 0.3696
Android (android.graphics.Color)	4294863415 (0xFFFE6A37)
YUV	144.4380, -44.0929, 96.0859
Hunter-Lab	56.2022, 49.6734, 31.6850

Details

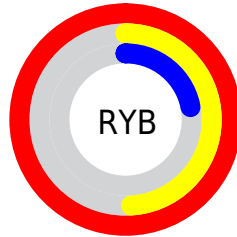
The CIELCh color **63, 76.997, 45.709** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **76, 41.706, 239.139**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 52.560, 55.676**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **60, 87.693, 45.797**, and if you desaturate by 10%, it is **67, 65.429, 45.357**.

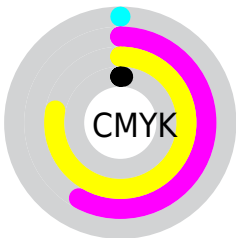
Distribution



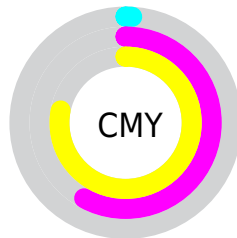
- Red (100%)
- Green (42%)
- Blue (22%)



- Red (100%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (58%)
- Yellow (78%)
- Black (1%)



- Cyan (1%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 76.997, 45.709 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, 76.997, 45.709 by changing the saturation by 10% instead.

63, 76.997, 45.709

63, 76.997, 45.709

100, 76.997,
45.709

53, 76.997, 45.709

83, 76.997, 45.709

43, 76.997, 45.709

93, 76.997, 45.709

33, 76.997, 45.709

23, 76.997, 45.709

13, 76.997, 45.709

3, 76.997, 45.709

0, 76.997, 45.709

63, 76.997, 45.709

63, 76.997, 45.709

60, 87.693, 45.797

67, 65.429, 45.357

57, 95.819, 45.043

71, 53.963, 45.048

57, 97.024, 44.929

75, 43.016, 44.892

80, 32.756, 44.906

85, 23.230, 45.070

90, 14.423, 45.351

95, 6.289, 45.690

100, 0.444,
200.869

Harmonies

Complementary

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



63, 76.997, 45.709



76, 41.706, 239.139

Rectangle

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



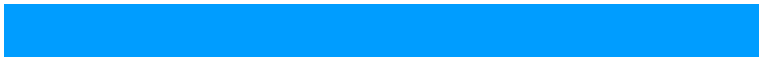
63, 76.997, 45.709



63, 76.997, 95.709



63, 76.997, 225.709



63, 76.997, 275.709

Sweetspot

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



63, 76.994, 45.712



88, 18.540, 45.207



60, 90.254, 338.722



45, 13.024, 45.110



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, 76.994, 45.712



59, 93.089, 45.483



84, 75.085, 86.878



50, 4.339, 45.651



43, 77.962, 45.424



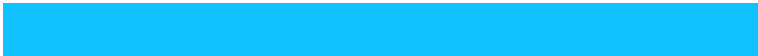
12, 29.160, 40.682

Inverse Universe

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



76, 41.706, 239.139



73, 45.281, 245.698



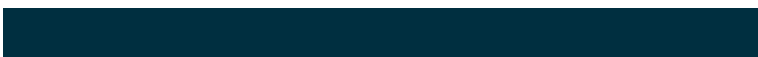
49, 86.395, 294.398



51, 4.104, 226.794



55, 37.139, 247.651



18, 16.562, 241.179

Previews

White Background



This preview shows how the CIELCh color 63, 76.997, 45.709 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, 76.997, 45.709 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, 76.997, 45.709

Background



This preview shows how black text looks on a background with the CIELCh color 63, 76.997, 45.709.



This preview shows how white text looks on a background with the CIELCh color 63, 76.997, 45.709.

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, 77.100, 45.717

Protanopia

63, 46.211, 95.505

Deuteranopia

63, 57.583, 81.733



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 77.100, 45.717

Protanomaly
62, 51.010, 69.781

Deuteranomaly
62, 61.187, 65.285

Tritanomaly
63, 68.635, 33.906

Monochromacy



Original Color
63, 77.100, 45.717

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 25.849, 44.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 76.997, 45.709 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 106, 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(254, 106, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 106, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 76.997, 45.709 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, 55) }
```

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

```
.border{ border-color:rgb(254, 106, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 106, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 106, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 106,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 76.997, 45.709 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, 55) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor