

Converting Colors

CIELCh(63, 77.382, 43.580)

Have a look what the booklet for
CIELCh(63, 77.382, 43.580) contains.

CIELCh(63, 76.879, 43.622)	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, 76.879, 43.622)

Conversions

Conversions Part 1

Format	Color
Hex	FF683C
RGB	255, 104, 60
RGB Percent	100%, 41%, 24%
CMY	0.0000, 0.5932, 0.7661
CMYK	0.00, 0.59, 0.77, 0.00
HSL	14°, 100%, 62%
HSV	14°, 77%, 100%
XYZ	47.2797, 31.5869, 7.8297
YIQ	144.1330, 104.1200, 18.3280

Conversions

Conversions Part 2

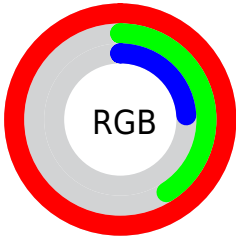
Format	Color
R _Y B	255, 117, 60
Decimal	16738364
CIE Lab	63.00, 55.65, 53.04
CIE LCh	63, 76.879, 43.622
Yxy	31.5869, 0.5453, 0.3643
Android (android.graphics.Color)	4294928444 (0xFFFF683C)
YUV	144.1330, -41.4776, 97.2304
Hunter-Lab	56.2022, 51.8078, 31.0817

Details

The CIELCh color **63, 76.879, 43.622** 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, 40.922, 233.005**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 50.821, 53.087**, and **43, 76.611, 43.682** is the 20% darker color. If you saturate the color by 10%, you get **60, 87.689, 44.224**, and if you desaturate by 10%, it is **67, 64.721, 42.982**.

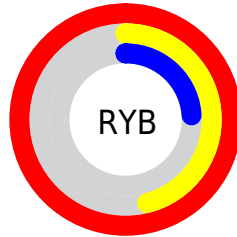
Distribution



Red (100%)

Green (41%)

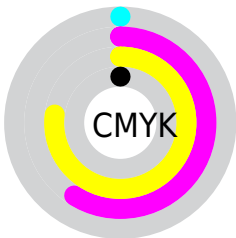
Blue (24%)



Red (100%)

Yellow (46%)

Blue (24%)

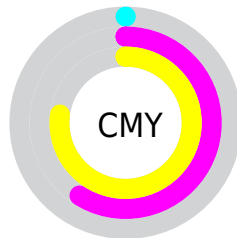


Cyan (0%)

Magenta (59%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 76.879, 43.622 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, 76.879, 43.622 by changing the saturation by 10% instead.

 63, 76.879, 43.622

 63, 76.879, 43.622

 100, 76.879,
43.622

 53, 76.879, 43.622

 83, 76.879, 43.622

 43, 76.879, 43.622

 93, 76.879, 43.622

 33, 76.879, 43.622

 23, 76.879, 43.622

 13, 76.879, 43.622

 3, 76.879, 43.622

 0, 76.879, 43.622

 63, 76.879, 43.622

 63, 76.879, 43.622

 60, 87.689, 44.224

 67, 64.721, 42.982

57, 96.408, 43.982

71, 53.093, 42.405

56, 98.799, 43.829

76, 42.029, 42.030

81, 31.677, 41.855

86, 22.080, 41.851

91, 13.221, 41.979

96, 5.051, 42.156

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.



63, 76.879, 43.622



79, 40.922, 233.005

Rectangle

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



63, 76.879, 43.622



63, 76.879, 93.622



63, 76.879, 223.622



63, 76.879, 273.622

Sweetspot

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



63, 76.540, 43.679



88, 18.797, 41.885



61, 91.689, 336.831



45, 13.208, 41.851



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, 76.540, 43.679



58, 92.836, 44.245



83, 72.984, 84.451



50, 4.394, 42.112



43, 79.101, 44.282



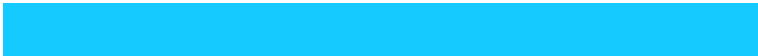
12, 29.603, 38.702

Inverse Universe

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



79, 40.922, 233.005



76, 43.822, 238.601



52, 80.634, 291.986



52, 4.146, 222.980



57, 36.008, 241.236



18, 16.273, 235.354

Previews

White Background



This preview shows how the CIELCh color 63, 76.879, 43.622 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, 76.879, 43.622 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, 76.879, 43.622

Background



This preview shows how black text looks on a background with the CIELCh color 63, 76.879, 43.622.



This preview shows how white text looks on a background with the CIELCh color 63, 76.879, 43.622.

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





Tritanopia
63, 65.624, 25.210

Trichromacy



Original Color
63, 76.375, 43.667

Protanomaly
62, 48.431, 67.497

Deuteranomaly
62, 59.397, 63.696

Tritanomaly
63, 68.895, 32.832

Monochromacy



Original Color
63, 76.375, 43.667

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 25.747, 41.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 76.879, 43.622 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, 104, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 60)  
}
```

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, 104, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 76.879, 43.622 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, 104, 60) }
```

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

```
.border{ border-color:rgb(255, 104, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 76.879, 43.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 60) }
```

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

```
.background{ background-color: rgb(255,  
104, 60) }
```

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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