

Converting Colors

CIELCh(75, 101.667, 41.786)

Have a look what the booklet for
CIELCh(75, 101.667, 41.786)
contains.

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Color

CIELCh(64, 75.077, 45.052)

Conversions

Conversions Part 1

Format	Color
Hex	FF6E3E
RGB	255, 110, 62
RGB Percent	100%, 43%, 24%
CMY	0.0000, 0.5702, 0.7587
CMYK	0.00, 0.57, 0.76, 0.00
HSL	15°, 100%, 62%
HSV	15°, 76%, 100%
XYZ	47.8896, 32.8017, 8.2983
YIQ	147.8830, 101.8280, 15.8120

Conversions

Conversions Part 2

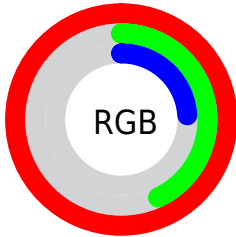
Format	Color
R _Y B	255, 126, 62
Decimal	16739902
CIE Lab	64.00, 53.04, 53.14
CIE LCh	64, 75.077, 45.052
Yxy	32.8017, 0.5381, 0.3686
Android (android.graphics.Color)	4294929982 (0xFFFF6E3E)
YUV	147.8830, -42.3403, 93.9416
Hunter-Lab	57.2727, 49.0287, 31.5004

Details

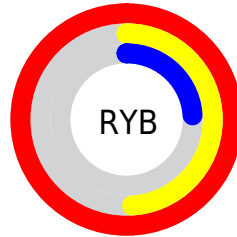
The CIELCh color **64, 75.077, 45.052** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **78, 41.054, 236.889**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 49.696, 55.605**, and **44, 74.632, 45.206** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.927, 45.403**, and if you desaturate by 10%, it is **68, 63.095, 44.666**.

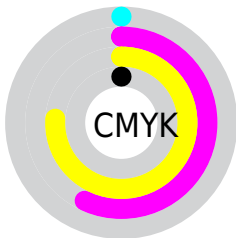
Distribution



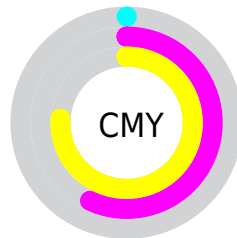
- Red (100%)
- Green (43%)
- Blue (24%)



- Red (100%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 75.077, 45.052 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 64, 75.077, 45.052 by changing the saturation by 10% instead.

 64, 75.077, 45.052

 64, 75.077, 45.052

 100, 75.077,
45.052

 54, 75.077, 45.052

 84, 75.077, 45.052

 44, 75.077, 45.052

 94, 75.077, 45.052

 34, 75.077, 45.052

 24, 75.077, 45.052

 14, 75.077, 45.052

 4, 75.077, 45.052

 0, 75.077, 45.052

 64, 75.077, 45.052

 64, 75.077, 45.052

 61, 85.927, 45.403

 68, 63.095, 44.666

58, 94.845, 44.958

72, 51.635, 44.318

57, 97.768, 44.628

77, 40.756, 44.142

81, 30.590, 44.141

86, 21.167, 44.289

92, 12.462, 44.550

97, 4.426, 44.834

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.



64, 75.077, 45.052



78, 41.054, 236.889

Rectangle

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



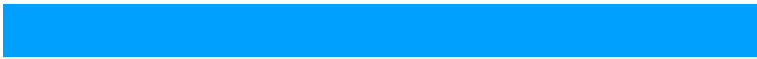
64, 75.077, 45.052



64, 75.077, 95.052



64, 75.077, 225.052



64, 75.077, 275.052

Sweetspot

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



64, 74.793, 45.112



88, 18.599, 44.354



61, 90.240, 337.592



45, 13.066, 44.274



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 74.793, 45.112



59, 90.922, 45.318



84, 73.037, 85.925



50, 4.352, 44.744



43, 78.258, 45.119



12, 29.271, 40.162

Inverse Universe

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



78, 41.054, 236.889



75, 44.413, 242.776



52, 81.753, 292.692



51, 4.113, 225.818



56, 36.811, 246.049



18, 16.473, 239.710

Previews

White Background



This preview shows how the CIELCh color 64, 75.077, 45.052 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 64, 75.077, 45.052 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 64, 75.077, 45.052

Background



This preview shows how black text looks on a background with the CIELCh color 64, 75.077, 45.052.



This preview shows how white text looks on a background with the CIELCh color 64, 75.077, 45.052.

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

64, 74.573, 45.120

Protanopia

64, 43.771, 95.369

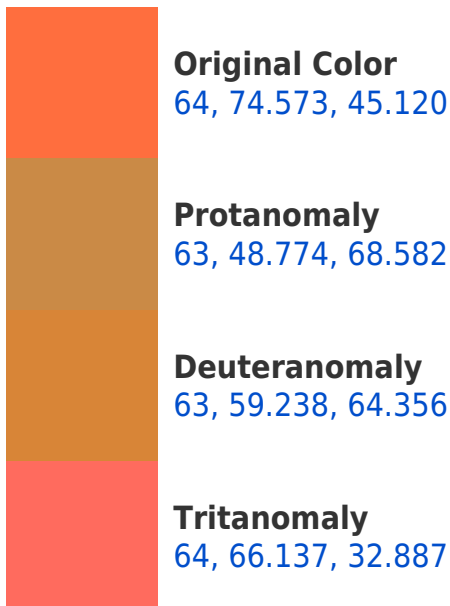
Deuteranopia

64, 55.269, 81.233



Tritanopia
64, 62.808, 24.437

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 75.077, 45.052 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, 110, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 62)  
}
```

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, 110, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 75.077, 45.052 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, 110, 62) }
```

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

```
.border{ border-color:rgb(255, 110, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 75.077, 45.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 62) }
```

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

```
.background{ background-color: rgb(255,  
110, 62) }
```

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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