

Converting Colors

CIELCh(63, 77.468, 45.334)

Have a look what the booklet for
CIELCh(63, 77.468, 45.334) contains.

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Color

CIELCh(63, 77.689, 45.316)

Conversions

Conversions Part 1

Format	Color
Hex	FF6937
RGB	255, 105, 55
RGB Percent	100%, 41%, 22%
CMY	0.0006, 0.5887, 0.7847
CMYK	0.00, 0.59, 0.78, 0.00
HSL	15°, 100%, 61%
HSV	15°, 78%, 100%
XYZ	46.9145, 31.5869, 7.2252
YIQ	144.1500, 105.4500, 16.2500

Conversions

Conversions Part 2

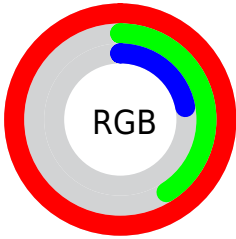
Format	Color
R _Y B	255, 122, 55
Decimal	16738615
CIE Lab	63.00, 54.63, 55.24
CIE LCh	63, 77.689, 45.316
Yxy	31.5869, 0.5473, 0.3685
Android (android.graphics.Color)	4294928695 (0xFFFF6937)
YUV	144.1500, -43.9509, 97.2154
Hunter-Lab	56.2022, 50.6480, 31.7195

Details

The CIELCh color **63, 77.689, 45.316** 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 **77, 41.750, 238.070**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 52.634, 55.044**, and **43, 77.871, 45.440** is the 20% darker color. If you saturate the color by 10%, you get **60, 88.431, 45.471**, and if you desaturate by 10%, it is **67, 66.045, 44.896**.

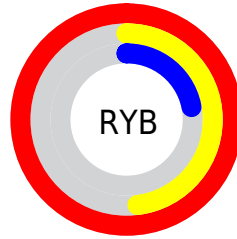
Distribution



Red (100%)

Green (41%)

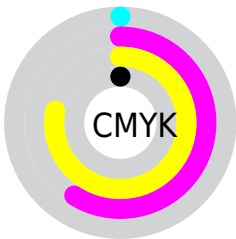
Blue (22%)



Red (100%)

Yellow (48%)

Blue (22%)

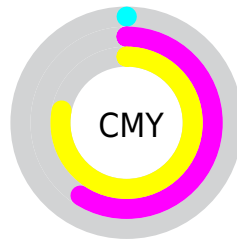


Cyan (0%)

Magenta (59%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 77.689, 45.316 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, 77.689, 45.316 by changing the saturation by 10% instead.

 63, 77.689, 45.316

 63, 77.689, 45.316

 100, 77.689,
45.316

 53, 77.689, 45.316

 83, 77.689, 45.316

 43, 77.689, 45.316

 93, 77.689, 45.316

 33, 77.689, 45.316

 23, 77.689, 45.316

 13, 77.689, 45.316

 3, 77.689, 45.316

 0, 77.689, 45.316

 63, 77.689, 45.316

 63, 77.689, 45.316

 60, 88.431, 45.471

 67, 66.045, 44.896

57, 96.553, 44.779

71, 54.493, 44.526

57, 97.653, 44.688

75, 43.459, 44.316

80, 33.116, 44.283

85, 23.513, 44.405

90, 14.637, 44.650

95, 6.442, 44.958

100, 0.049,
212.936

Harmonies

Complementary

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



63, 77.689, 45.316



77, 41.750, 238.070

Rectangle

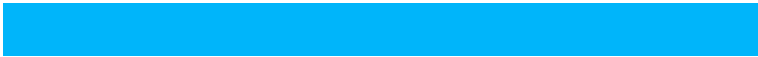
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 77.689, 45.316



63, 77.689, 95.316



63, 77.689, 225.316



63, 77.689, 275.316

Sweetspot

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



63, 77.686, 45.319



87, 19.475, 44.502



60, 90.647, 338.741



45, 13.577, 44.423



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, 77.686, 45.319



58, 93.378, 45.204



85, 75.451, 86.852



50, 4.349, 44.928



43, 78.199, 45.180



12, 29.249, 40.267

Inverse Universe

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



77, 41.750, 238.070



74, 45.000, 244.450



50, 86.893, 294.452



51, 4.111, 226.015



56, 36.876, 246.375



18, 16.491, 240.009

Previews

White Background



This preview shows how the CIELCh color 63, 77.689, 45.316 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, 77.689, 45.316 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, 77.689, 45.316

Background



This preview shows how black text looks on a background with the CIELCh color 63, 77.689, 45.316.



This preview shows how white text looks on a background with the CIELCh color 63, 77.689, 45.316.

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, 77.689, 45.316

Protanopia

63, 45.740, 95.468

Deuteranopia

63, 57.946, 81.825



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 77.689, 45.316

Protanomaly
62, 50.895, 69.149

Deuteranomaly
62, 61.900, 64.653

Tritanomaly
63, 68.887, 33.566

Monochromacy



Original Color
63, 77.689, 45.316

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, 77.689, 45.316 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, 105, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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(255, 105, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 77.689, 45.316 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, 105, 55) }
```

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

```
.border{ border-color:rgb(255, 105, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 105, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 77.689, 45.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 55) }
```

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

```
.background{ background-color: rgb(255,  
105, 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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