

Converting Colors

CIELCh(65, 73.668, 47.506)

Have a look what the booklet for
CIELCh(65, 73.668, 47.506) contains.

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Color

CIELCh(65, 73.760, 47.533)

Conversions

Conversions Part 1

Format	Color
Hex	FF743D
RGB	255, 116, 61
RGB Percent	100%, 45%, 24%
CMY	0.0004, 0.5454, 0.7611
CMYK	0.00, 0.55, 0.76, 0.00
HSL	17°, 100%, 62%
HSV	17°, 76%, 100%
XYZ	48.2775, 34.0472, 8.4309
YIQ	151.2910, 100.4990, 12.3630

Conversions

Conversions Part 2

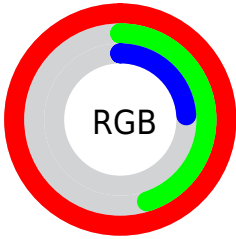
Format	Color
RYB	255, 138, 61
Decimal	16741437
CIELab	65.00, 49.80, 54.41
CIElCh	65, 73.760, 47.533
Yxy	34.0472, 0.5320, 0.3752
Android (android.graphics.Color)	4294931517 (0xFFFF743D)
YUV	151.2910, -44.5135, 90.9528
Hunter-Lab	58.3500, 45.5747, 32.2782

Details

The CIELCh color **65, 73.760, 47.533** 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, 41.982, 243.215**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 49.434, 59.701**, and **45, 73.732, 47.528** is the 20% darker color. If you saturate the color by 10%, you get **62, 84.626, 47.403**, and if you desaturate by 10%, it is **69, 62.297, 47.460**.

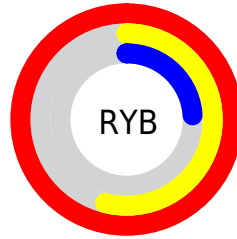
Distribution



Red (100%)

Green (45%)

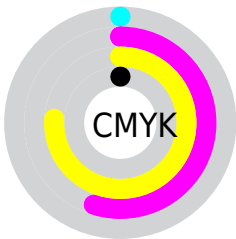
Blue (24%)



Red (100%)

Yellow (54%)

Blue (24%)

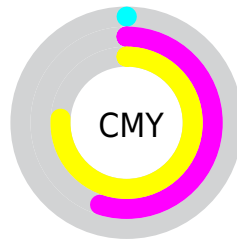


Cyan (0%)

Magenta (55%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 73.760, 47.533 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 65, 73.760, 47.533 by changing the saturation by 10% instead.

 65, 73.760, 47.533

 65, 73.760, 47.533

 100, 73.760,
47.533

 55, 73.760, 47.533

 85, 73.760, 47.533

 45, 73.760, 47.533

 95, 73.760, 47.533

 35, 73.760, 47.533

 25, 73.760, 47.533

 15, 73.760, 47.533

 5, 73.760, 47.533

 0, 73.760, 47.533

 65, 73.760, 47.533

 65, 73.760, 47.533

 62, 84.626, 47.403

 69, 62.297, 47.460

59, 93.299, 46.507

73, 51.052, 47.429

58, 96.043, 46.040

77, 40.366, 47.525

82, 30.371, 47.760

87, 21.093, 48.118

92, 12.504, 48.567

97, 4.556, 49.027

100, 0.037,
217.790

Harmonies

Complementary

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



65, 73.760, 47.533



76, 41.982, 243.215

Rectangle

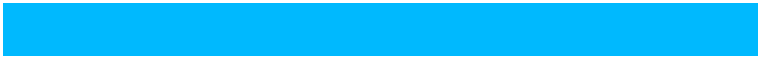
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 73.760, 47.533



65, 73.760, 97.533



65, 73.760, 227.533



65, 73.760, 277.533

Sweetspot

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



65, 73.758, 47.536



88, 18.365, 48.249



61, 87.464, 340.267



45, 12.896, 48.097



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 73.758, 47.536



60, 89.311, 47.105



87, 75.218, 89.783



50, 4.305, 48.884



44, 76.887, 46.584



13, 28.777, 42.600

Inverse Universe

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



76, 41.982, 243.215



72, 46.051, 249.595



49, 88.023, 295.390



51, 4.082, 230.264



54, 38.508, 253.114



17, 16.954, 246.256

Previews

White Background



This preview shows how the CIELCh color 65, 73.760, 47.533 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 65, 73.760, 47.533 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 65, 73.760, 47.533

Background



This preview shows how black text looks on a background with the CIELCh color 65, 73.760, 47.533.



This preview shows how white text looks on a background with the CIELCh color 65, 73.760, 47.533.

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

65, 73.760, 47.533

Protanopia

65, 46.075, 95.690

Deuteranopia

65, 56.600, 81.316



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 73.760, 47.533

Protanomaly
64, 50.141, 71.544

Deuteranomaly
65, 60.147, 66.258

Tritanomaly
65, 63.848, 33.900

Monochromacy



Original Color
65, 73.760, 47.533

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 24.886, 47.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 73.760, 47.533 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, 116, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 61)  
}
```

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, 116, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 73.760, 47.533 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, 116, 61) }
```

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

```
.border{ border-color:rgb(255, 116, 61) }
```

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

Here you see how a box with a 4 pixel rgb(255, 116, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 73.760, 47.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 61) }
```

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

```
.background{ background-color: rgb(255,  
116, 61) }
```

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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