

Converting Colors

CIELCh(65, 74.263, 47.682)

Have a look what the booklet for
CIELCh(65, 74.263, 47.682) contains.

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Color

CIELCh(65, 74.076, 47.795)

Conversions

Conversions Part 1

Format	Color
Hex	FF743C
RGB	255, 116, 60
RGB Percent	100%, 45%, 24%
CMY	0.0003, 0.5453, 0.7649
CMYK	0.00, 0.55, 0.76, 0.00
HSL	17°, 100%, 62%
HSV	17°, 76%, 100%
XYZ	48.2641, 34.0472, 8.2948
YIQ	151.1770, 100.8200, 12.0520

Conversions

Conversions Part 2

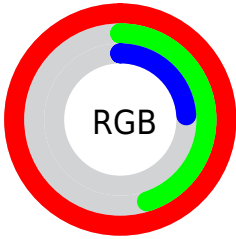
Format	Color
RYB	255, 139, 60
Decimal	16741436
CIELab	65.00, 49.76, 54.87
CIElCh	65, 74.076, 47.795
Yxy	34.0472, 0.5327, 0.3758
Android (android.graphics.Color)	4294931516 (0xFFFF743C)
YUV	151.1770, -44.9503, 91.0528
Hunter-Lab	58.3500, 45.5336, 32.4165

Details

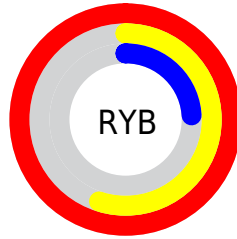
The CIELCh color **65, 74.076, 47.795** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **75, 42.226, 244.005**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 49.824, 60.064**, and **45, 74.119, 47.825** is the 20% darker color. If you saturate the color by 10%, you get **62, 84.866, 47.605**, and if you desaturate by 10%, it is **69, 62.642, 47.762**.

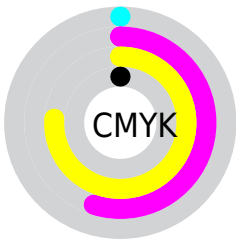
Distribution



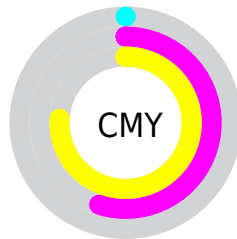
- Red (100%)
- Green (45%)
- Blue (24%)



- Red (100%)
- Yellow (55%)
- 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, 74.076, 47.795 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, 74.076, 47.795 by changing the saturation by 10% instead.

65, 74.076, 47.795

65, 74.076, 47.795

100, 74.076,
47.795

55, 74.076, 47.795

85, 74.076, 47.795

45, 74.076, 47.795

95, 74.076, 47.795

35, 74.076, 47.795

25, 74.076, 47.795

15, 74.076, 47.795

5, 74.076, 47.795

0, 74.076, 47.795

65, 74.076, 47.795

65, 74.076, 47.795

62, 84.866, 47.605

69, 62.642, 47.762

59, 93.395, 46.625

73, 51.403, 47.759

58, 95.868, 46.200

77, 40.714, 47.878

82, 30.708, 48.133

87, 21.416, 48.508

92, 12.813, 48.974

97, 4.848, 49.457

100, 0.028,
223.977

Harmonies

Complementary

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



65, 74.076, 47.795



75, 42.226, 244.005

Rectangle

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



65, 74.076, 47.795



65, 74.076, 97.795



65, 74.076, 227.795



65, 74.076, 277.795

Sweetspot

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



65, 74.074, 47.798



88, 18.346, 48.662



60, 87.689, 340.316



45, 12.882, 48.503



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, 74.074, 47.798



60, 90.003, 47.208



87, 75.497, 89.729



50, 4.301, 49.322



44, 76.739, 46.750



13, 28.727, 42.869

Inverse Universe

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



75, 42.226, 244.005



72, 46.503, 250.772



49, 88.527, 295.511



51, 4.080, 230.733



53, 38.717, 253.825



17, 17.016, 246.926

Previews

White Background



This preview shows how the CIELCh color 65, 74.076, 47.795 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, 74.076, 47.795 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, 74.076, 47.795

Background



This preview shows how black text looks on a background with the CIELCh color 65, 74.076, 47.795.



This preview shows how white text looks on a background with the CIELCh color 65, 74.076, 47.795.

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, 74.076, 47.795

Protanopia

65, 46.547, 95.726

Deuteranopia

65, 57.373, 81.526



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 74.076, 47.795

Protanomaly
64, 50.568, 71.777

Deuteranomaly
65, 60.518, 66.456

Tritanomaly
65, 63.848, 33.900

Monochromacy



Original Color
65, 74.076, 47.795

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, 74.076, 47.795 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 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, 116, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 74.076, 47.795 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, 60) }
```

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

```
.border{ border-color:rgb(255, 116, 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, 116, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 74.076, 47.795 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, 60) }
```

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

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