

Converting Colors

CIELCh(63, 69.432, 47.687)

Have a look what the booklet for
CIELCh(63, 69.432, 47.687) contains.

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Color

CIELCh(63, 69.432, 47.687)

Conversions

Conversions Part 1

Format	Color
Hex	F4723E
RGB	244, 114, 62
RGB Percent	96%, 45%, 24%
CMY	0.0434, 0.5532, 0.7571
CMYK	0.00, 0.53, 0.75, 0.04
HSL	17°, 89%, 60%
HSV	17°, 75%, 96%
XYZ	44.1599, 31.5869, 8.3182
YIQ	146.9420, 94.1720, 11.3880

Conversions

Conversions Part 2

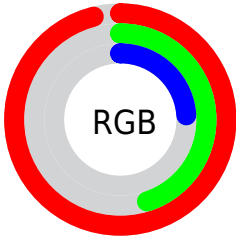
Format	Color
RYB	244, 135, 62
Decimal	16020030
CIELab	63.00, 46.74, 51.34
CIElCh	63, 69.432, 47.687
Yxy	31.5869, 0.5253, 0.3757
Android (android.graphics.Color)	4294210110 (0xFFFF4723E)
YUV	146.9420, -41.8764, 85.1199
Hunter-Lab	56.2022, 41.8992, 30.5663

Details

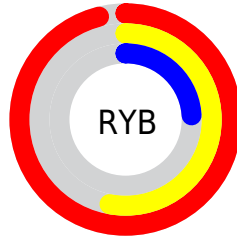
The CIELCh color **63, 69.432, 47.687** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **73, 40.159, 242.984**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 49.532, 57.646**, and **43, 69.505, 47.747** is the 20% darker color. If you saturate the color by 10%, you get **60, 80.082, 47.596**, and if you desaturate by 10%, it is **67, 58.383, 47.633**.

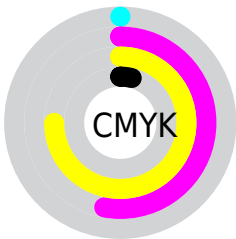
Distribution



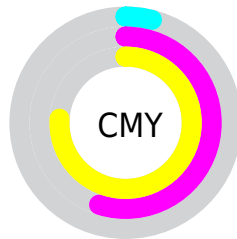
- Red (96%)
- Green (45%)
- Blue (24%)



- Red (96%)
- Yellow (53%)
- Blue (24%)



- Cyan (0%)
- Magenta (53%)
- Yellow (75%)
- Black (4%)



- Cyan (4%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 69.432, 47.687 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, 69.432, 47.687 by changing the saturation by 10% instead.

63, 69.432, 47.687

63, 69.432, 47.687

100, 69.432,
47.687

53, 69.432, 47.687

83, 69.432, 47.687

43, 69.432, 47.687

93, 69.432, 47.687

33, 69.432, 47.687

23, 69.432, 47.687

13, 69.432, 47.687

3, 69.432, 47.687

0, 69.432, 47.687

63, 69.432, 47.687

63, 69.432, 47.687

60, 80.082, 47.596

67, 58.383, 47.633

57, 88.939, 46.858

71, 47.618, 47.638

56, 92.707, 46.210

75, 37.421, 47.773

80, 27.897, 48.043

84, 19.058, 48.430

89, 10.875, 48.899

94, 3.298, 49.339

99, 3.344, 214.232

99, 3.826, 199.336

Harmonies

Complementary

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



63, 69.432, 47.687



73, 40.159, 242.984

Rectangle

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



63, 69.432, 47.687



63, 69.432, 97.687



63, 69.432, 227.687



63, 69.432, 277.687

Sweetspot

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



63, 69.430, 47.690



89, 17.486, 48.543



58, 83.641, 340.056



46, 11.876, 48.423



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, 69.430, 47.690



61, 88.315, 47.307



83, 71.584, 90.015



49, 4.160, 49.150



43, 75.215, 46.744



11, 26.267, 41.662

Inverse Universe

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



73, 40.159, 242.984



72, 45.929, 249.535



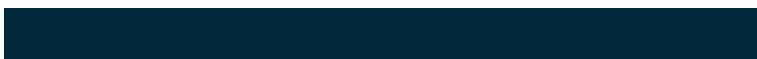
48, 83.068, 294.872



49, 3.946, 230.544



52, 37.834, 253.441



15, 16.024, 245.855

Previews

White Background



This preview shows how the CIELCh color 63, 69.432, 47.687 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, 69.432, 47.687 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, 69.432, 47.687

Background



This preview shows how black text looks on a background with the CIELCh color 63, 69.432, 47.687.



This preview shows how white text looks on a background with the CIELCh color 63, 69.432, 47.687.

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, 69.432, 47.687

Protanopia

63, 43.261, 95.837

Deuteranopia

63, 53.493, 81.078



Tritanopia
63, 58.104, 23.035

Trichromacy



Original Color
63, 69.432, 47.687

Protanomaly
62, 47.062, 71.805

Deuteranomaly
63, 56.495, 66.346

Tritanomaly
63, 60.728, 33.208

Monochromacy



Original Color
63, 69.432, 47.687

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 23.119, 48.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 69.432, 47.687 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(244, 114, 62)` looks like.

```
.text, #text, p{  
    color:rgb(244, 114, 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(244, 114, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 114, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 69.432, 47.687 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(244, 114, 62) }
```

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

```
.border{ border-color:rgb(244, 114, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 114, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 114, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 114, 62);  
box-shadow:4px 4px 4px 4px rgb(244, 114,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 69.432, 47.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 114, 62) }
```

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

```
.background{ background-color: rgb(244,  
114, 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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