

Converting Colors

CIELCh(76, 63.068, 68.221)

Have a look what the booklet for
CIELCh(76, 63.068, 68.221) contains.

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Color

CIELCh(76, 63.003, 68.237)

Conversions

Conversions Part 1

Format	Color
Hex	FEA94D
RGB	254, 169, 77
RGB Percent	100%, 66%, 30%
CMY	0.0046, 0.3378, 0.6986
CMYK	0.00, 0.33, 0.70, 0.00
HSL	31°, 99%, 65%
HSV	31°, 70%, 100%
XYZ	56.2990, 49.8872, 13.6546
YIQ	183.9270, 80.1920, -10.5920

Conversions

Conversions Part 2

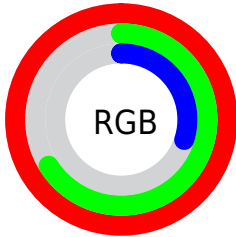
Format	Color
R_{YB}	241, 254, 77
Decimal	16689485
CIE _{Lab}	76.00, 23.36, 58.51
CIE _{LCh}	76, 63.003, 68.237
Yxy	49.8872, 0.4698, 0.4163
Android (android.graphics.Color)	4294879565 (0xFFFEA94D)
YUV	183.9270, -52.7150, 61.4540
Hunter-Lab	70.6309, 18.6761, 37.9795

Details

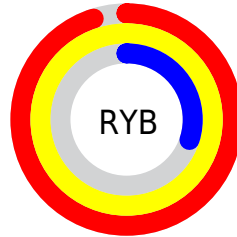
The CIELCh color **76, 63.003, 68.237** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **65, 53.282, 273.848**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 49.655, 91.179**, and **56, 62.953, 68.600** is the 20% darker color. If you saturate the color by 10%, you get **73, 72.049, 66.555**, and if you desaturate by 10%, it is **79, 53.340, 69.708**.

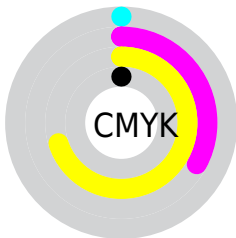
Distribution



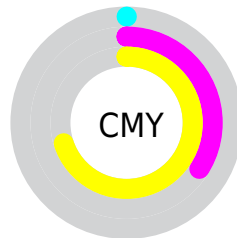
- Red (100%)
- Green (66%)
- Blue (30%)



- Red (95%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 63.003, 68.237 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 76, 63.003, 68.237 by changing the saturation by 10% instead.

 76, 63.003, 68.237

 76, 63.003, 68.237

 100, 63.003,
68.237

 66, 63.003, 68.237

 96, 63.003, 68.237

 56, 63.003, 68.237

 46, 63.003, 68.237

 36, 63.003, 68.237

 26, 63.003, 68.237

 16, 63.003, 68.237

 6, 63.003, 68.237

 0, 63.003, 68.237

 76, 63.003, 68.237

 76, 63.003, 68.237

73, 72.049, 66.555

79, 53.340, 69.708

70, 79.496, 64.402

82, 43.627, 71.083

68, 84.459, 61.540

86, 34.137, 72.419

68, 84.588, 61.461

89, 24.987, 73.732

93, 16.216, 75.023

96, 7.818, 76.273

100, 0.228,
259.428

100, 0.411,
200.992

Harmonies

Complementary

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



76, 63.003, 68.237



65, 53.282, 273.848

Rectangle

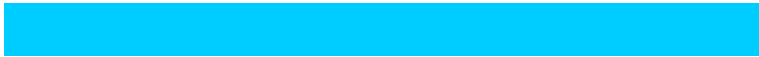
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 63.003, 68.237



76, 63.003, 118.237



76, 63.003, 248.237



76, 63.003, 298.237

Sweetspot

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



76, 63.002, 68.240



92, 17.380, 74.859



61, 73.296, 354.002



48, 11.836, 74.504



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 63.002, 68.240



72, 75.785, 65.707



97, 82.111, 104.755



51, 4.587, 76.299



52, 68.158, 62.156



16, 27.016, 63.819

Inverse Universe

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



65, 53.282, 273.848



59, 64.191, 279.754



44, 102.779, 302.166



50, 4.499, 258.862



40, 60.663, 286.075



11, 24.600, 279.680

Previews

White Background



This preview shows how the CIELCh color 76, 63.003, 68.237 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 76, 63.003, 68.237 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 76, 63.003, 68.237

Background



This preview shows how black text looks on a background with the CIELCh color 76, 63.003, 68.237.



This preview shows how white text looks on a background with the CIELCh color 76, 63.003, 68.237.

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

76, 63.003, 68.237

Protanopia

76, 54.826, 95.371

Deuteranopia

76, 59.931, 80.258

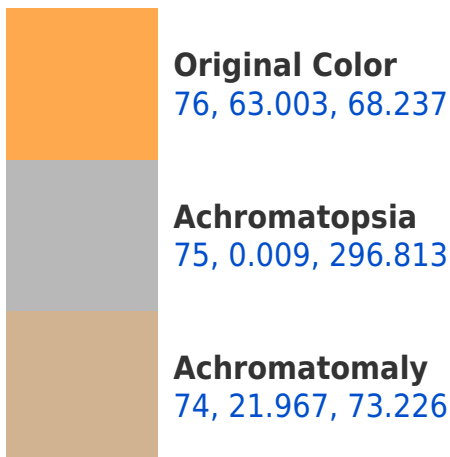


Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 63.003, 68.237 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(254, 169, 77)` looks like.

```
.text, #text, p{  
    color:rgb(254, 169, 77)  
}
```

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(254, 169, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 169, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 63.003, 68.237 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(254, 169, 77) }
```

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

```
.border{ border-color:rgb(254, 169, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 169, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 169, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 169, 77);  
box-shadow:4px 4px 4px 4px rgb(254, 169,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 63.003, 68.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 169, 77) }
```

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

```
.background{ background-color: rgb(254,  
169, 77) }
```

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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