

Converting Colors

CIELCh(63, 70.940, 38.520)

Have a look what the booklet for
CIELCh(63, 70.940, 38.520) contains.

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Color

CIELCh(63, 70.938, 38.375)

Conversions

Conversions Part 1

Format	Color
Hex	FE684D
RGB	254, 104, 77
RGB Percent	100%, 41%, 30%
CMY	0.0031, 0.5914, 0.6974
CMYK	0.00, 0.59, 0.70, 0.00
HSL	9°, 99%, 65%
HSV	9°, 70%, 100%
XYZ	47.2653, 31.5869, 10.6565
YIQ	145.7720, 98.0670, 23.4030

Conversions

Conversions Part 2

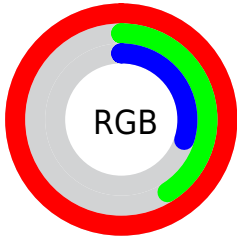
Format	Color
RYB	254, 109, 77
Decimal	16672845
CIELab	63.00, 55.61, 44.04
CIELCh	63, 70.938, 38.375
Yxy	31.5869, 0.5281, 0.3529
Android (android.graphics.Color)	4294862925 (0xFFFE684D)
YUV	145.7720, -33.9046, 94.9160
Hunter-Lab	56.2022, 51.7619, 28.0996

Details

The CIELCh color **63, 70.938, 38.375** 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 **84, 39.442, 218.602**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 45.180, 45.057**, and **43, 70.903, 38.525** is the 20% darker color. If you saturate the color by 10%, you get **59, 82.868, 39.955**, and if you desaturate by 10%, it is **67, 58.893, 36.994**.

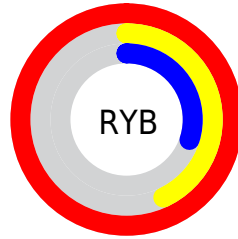
Distribution



Red (100%)

Green (41%)

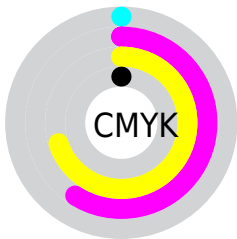
Blue (30%)



Red (100%)

Yellow (43%)

Blue (30%)

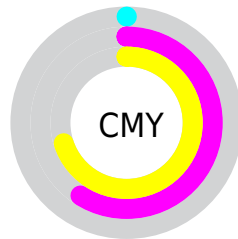


Cyan (0%)

Magenta (59%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 70.938, 38.375 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, 70.938, 38.375 by changing the saturation by 10% instead.

 63, 70.938, 38.375

 63, 70.938, 38.375

 100, 70.938,
38.375

 53, 70.938, 38.375

 83, 70.938, 38.375

 43, 70.938, 38.375

 93, 70.938, 38.375

 33, 70.938, 38.375

 23, 70.938, 38.375

 13, 70.938, 38.375

 3, 70.938, 38.375

 0, 70.938, 38.375

 63, 70.938, 38.375

 63, 70.938, 38.375

 59, 82.868, 39.955

 67, 58.893, 36.994

■ 57, 93.554, 41.317

■ 72, 47.252, 35.915

■ 55, 101.126,
41.822

■ 77, 36.253, 35.136

■ 83, 25.999, 34.612

■ 55, 101.360,
41.848

■ 88, 16.515, 34.287

■ 94, 7.774, 34.091

100, 0.264,
204.922

100, 0.273,
201.814

Harmonies

Complementary

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



63, 70.938, 38.375



84, 39.442, 218.602

Rectangle

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



63, 70.938, 38.375



63, 70.938, 88.375



63, 70.938, 218.375



63, 70.938, 268.375

Sweetspot

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



63, 70.935, 38.378



88, 17.798, 34.321



63, 90.675, 333.253



45, 12.188, 34.400



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, 70.935, 38.378



58, 87.998, 40.617



82, 65.184, 79.999



50, 4.591, 34.088



41, 81.442, 42.172



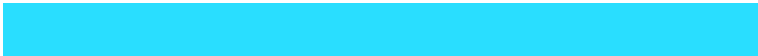
11, 30.669, 34.672

Inverse Universe

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



84, 39.442, 218.602



82, 42.406, 221.477



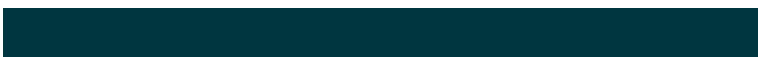
59, 65.467, 285.217



52, 4.317, 214.292



61, 35.091, 225.320



20, 16.217, 221.372

Previews

White Background



This preview shows how the CIELCh color 63, 70.938, 38.375 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, 70.938, 38.375 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, 70.938, 38.375

Background



This preview shows how black text looks on a background with the CIELCh color 63, 70.938, 38.375.

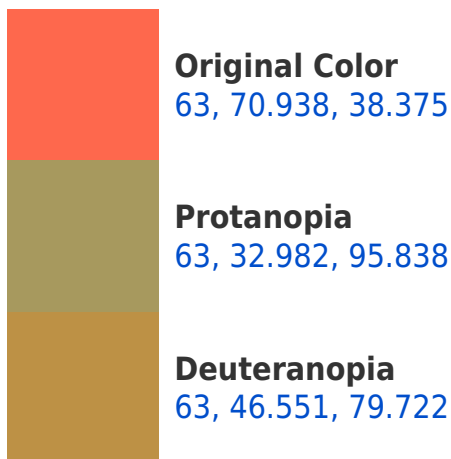


This preview shows how white text looks on a background with the CIELCh color 63, 70.938, 38.375.

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](#).

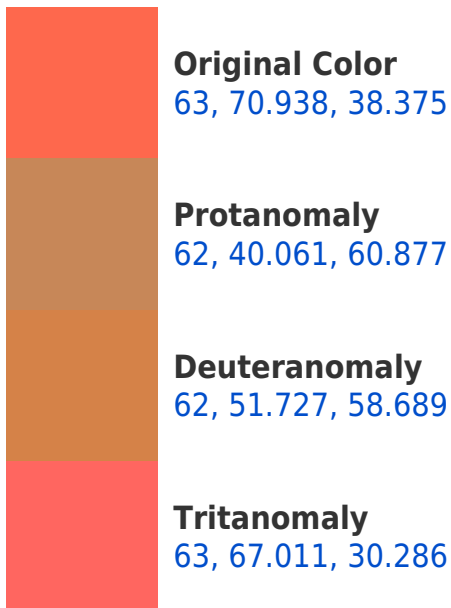
Dichromacy





Tritanopia
63, 65.155, 25.080

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 70.938, 38.375 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, 104, 77)` looks like.

```
.text, #text, p{  
    color:rgb(254, 104, 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, 104, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 104, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 70.938, 38.375 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, 104, 77) }
```

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

```
.border{ border-color:rgb(254, 104, 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, 104, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 104, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 104, 77);  
box-shadow:4px 4px 4px 4px rgb(254, 104,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 70.938, 38.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 104, 77) }
```

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

```
.background{ background-color: rgb(254,  
104, 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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