

Converting Colors

CIELCh(72, 100.784, 38.988)

Have a look what the booklet for
CIELCh(72, 100.784, 38.988)
contains.

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Color

CIELCh(62, 76.855, 40.028)

Conversions

Conversions Part 1

Format	Color
Hex	FF6141
RGB	255, 97, 65
RGB Percent	100%, 38%, 25%
CMY	0.0000, 0.6196, 0.7457
CMYK	0.00, 0.62, 0.75, 0.00
HSL	10°, 100%, 63%
HSV	10°, 75%, 100%
XYZ	46.8822, 30.4025, 8.3740
YIQ	140.5940, 104.4400, 23.5440

Conversions

Conversions Part 2

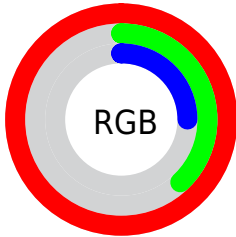
Format	Color
R _Y B	255, 103, 65
Decimal	16736577
CIE Lab	62.00, 58.85, 49.43
CIE LCh	62, 76.855, 40.028
Yxy	30.4025, 0.5473, 0.3549
Android (android.graphics.Color)	4294926657 (0xFFFF6141)
YUV	140.5940, -37.2678, 100.3341
Hunter-Lab	55.1385, 55.2795, 29.5925

Details

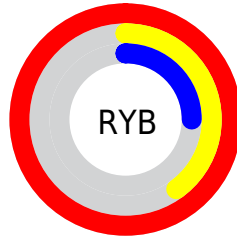
The CIELCh color **62, 76.855, 40.028** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **82, 40.510, 222.321**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 50.015, 46.335**, and **42, 76.528, 40.089** is the 20% darker color. If you saturate the color by 10%, you get **59, 87.942, 41.405**, and if you desaturate by 10%, it is **66, 64.331, 38.752**.

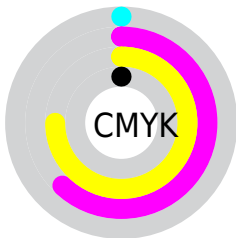
Distribution



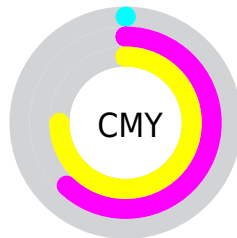
- Red (100%)
- Green (38%)
- Blue (25%)



- Red (100%)
- Yellow (40%)
- Blue (25%)



- Cyan (0%)
- Magenta (62%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 76.855, 40.028 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 62, 76.855, 40.028 by changing the saturation by 10% instead.

62, 76.855, 40.028

62, 76.855, 40.028

100, 76.855,
40.028

52, 76.855, 40.028

82, 76.855, 40.028

42, 76.855, 40.028

92, 76.855, 40.028

32, 76.855, 40.028

22, 76.855, 40.028

12, 76.855, 40.028

2, 76.855, 40.028

0, 76.855, 40.028

62, 76.855, 40.028

62, 76.855, 40.028

59, 87.942, 41.405

66, 64.331, 38.752

56, 97.327, 42.137

70, 52.496, 37.676

55, 101.047,
42.218

75, 41.230, 36.887

80, 30.683, 36.356

86, 20.904, 36.038

92, 11.883, 35.878

97, 3.576, 35.743

100, 0.012,
296.813

Harmonies

Complementary

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



62, 76.855, 40.028



82, 40.510, 222.321

Rectangle

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



62, 76.855, 40.028



62, 76.855, 90.028



62, 76.855, 220.028



62, 76.855, 270.028

Sweetspot

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



62, 76.397, 40.070



87, 18.513, 35.985



62, 93.536, 334.311



45, 12.583, 36.042



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 76.397, 40.070



57, 92.506, 41.859



81, 69.896, 80.598



50, 4.539, 35.829



41, 80.971, 42.574



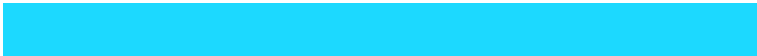
11, 30.433, 35.492

Inverse Universe

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



82, 40.510, 222.321



80, 42.825, 225.986



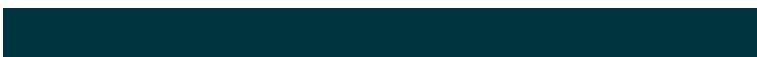
56, 72.517, 288.119



52, 4.270, 216.180



60, 35.077, 228.896



20, 16.153, 224.470

Previews

White Background



This preview shows how the CIELCh color 62, 76.855, 40.028 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 62, 76.855, 40.028 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 62, 76.855, 40.028

Background



This preview shows how black text looks on a background with the CIELCh color 62, 76.855, 40.028.

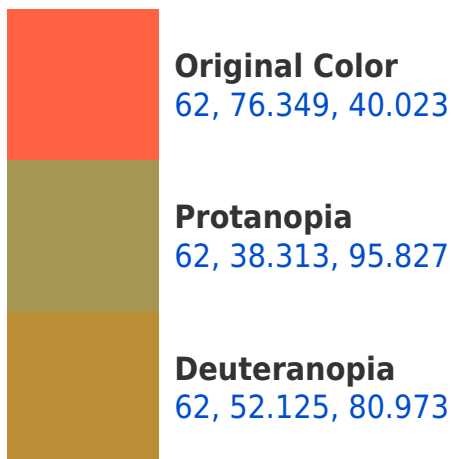


This preview shows how white text looks on a background with the CIELCh color 62, 76.855, 40.028.

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
62, 68.616, 26.444

Trichromacy



Original Color
62, 76.349, 40.023

Protanomaly
61, 45.140, 63.308

Deuteranomaly
61, 57.002, 60.747

Tritanomaly
62, 70.907, 31.703

Monochromacy



Original Color
62, 76.349, 40.023

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 25.778, 36.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 76.855, 40.028 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, 97, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 65)  
}
```

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, 97, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 76.855, 40.028 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, 97, 65) }
```

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

```
.border{ border-color:rgb(255, 97, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 76.855, 40.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 65) }
```

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

```
.background{ background-color: rgb(255, 97,  
65) }
```

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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