

Converting Colors

CIELCh(62, 77.026, 40.510)

Have a look what the booklet for
CIELCh(62, 77.026, 40.510) contains.

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Color

CIELCh(62, 76.641, 40.327)

Conversions

Conversions Part 1

Format	Color
Hex	FF6240
RGB	255, 98, 64
RGB Percent	100%, 38%, 25%
CMY	0.0000, 0.6175, 0.7472
CMYK	0.00, 0.62, 0.75, 0.00
HSL	10°, 100%, 63%
HSV	10°, 75%, 100%
XYZ	46.7322, 30.4025, 8.3245
YIQ	141.0670, 104.4860, 22.7100

Conversions

Conversions Part 2

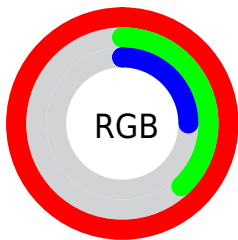
Format	Color
RYB	255, 105, 64
Decimal	16736832
CIELab	62.00, 58.43, 49.60
CIELCh	62, 76.641, 40.327
Yxy	30.4025, 0.5468, 0.3558
Android (android.graphics.Color)	4294926912 (0xFFFF6240)
YUV	141.0670, -37.9940, 99.9192
Hunter-Lab	55.1385, 54.7938, 29.6457

Details

The CIELCh color **62, 76.641, 40.327** 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, 40.494, 223.153**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **73, 50.182, 47.445**, and **42, 76.596, 40.485** is the 20% darker color. If you saturate the color by 10%, you get **59, 87.913, 41.625**, and if you desaturate by 10%, it is **66, 64.339, 39.084**.

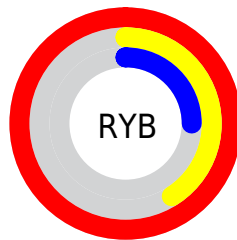
Distribution



Red (100%)

Green (38%)

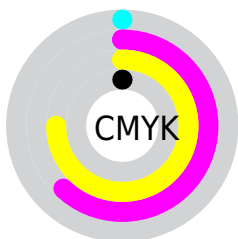
Blue (25%)



Red (100%)

Yellow (41%)

Blue (25%)

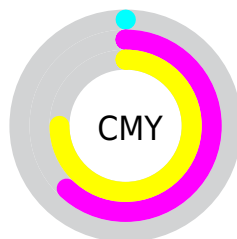


Cyan (0%)

Magenta (62%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 76.641, 40.327 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, 76.641, 40.327 by changing the saturation by 10% instead.

 62, 76.641, 40.327

 62, 76.641, 40.327

 100, 76.641,
40.327

 52, 76.641, 40.327

 82, 76.641, 40.327

 42, 76.641, 40.327

 92, 76.641, 40.327

 32, 76.641, 40.327

 22, 76.641, 40.327

 12, 76.641, 40.327

 2, 76.641, 40.327

 0, 76.641, 40.327

 62, 76.641, 40.327

 62, 76.641, 40.327

 59, 87.913, 41.625

 66, 64.339, 39.084

56, 97.258, 42.280

70, 52.519, 38.048

55, 100.885,
42.329

75, 41.270, 37.292

80, 30.741, 36.789

86, 20.980, 36.496

92, 11.976, 36.358

97, 3.683, 36.249

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, 76.641, 40.327



82, 40.494, 223.153

Rectangle

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



62, 76.641, 40.327



62, 76.641, 90.327



62, 76.641, 220.327



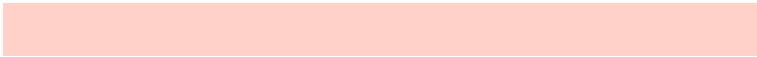
62, 76.641, 270.327

Sweetspot

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



62, 76.389, 40.353



87, 18.456, 36.446



62, 93.636, 334.322



45, 12.545, 36.496



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, 76.389, 40.353



57, 93.271, 42.107



81, 70.014, 80.572



50, 4.525, 36.320



42, 80.834, 42.693



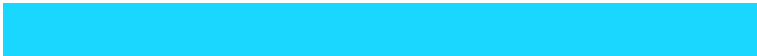
11, 30.367, 35.728

Inverse Universe

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



82, 40.494, 223.153



80, 42.910, 227.207



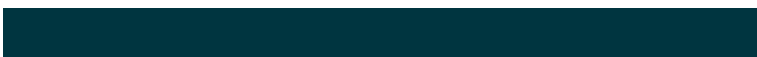
56, 72.675, 288.172



52, 4.258, 216.712



60, 35.096, 229.895



20, 16.143, 225.339

Previews

White Background



This preview shows how the CIELCh color 62, 76.641, 40.327 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, 76.641, 40.327 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, 76.641, 40.327

Background



This preview shows how black text looks on a background with the CIELCh color 62, 76.641, 40.327.



This preview shows how white text looks on a background with the CIELCh color 62, 76.641, 40.327.

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

62, 76.427, 40.629

Protanopia

62, 38.313, 95.827

Deuteranopia

62, 52.125, 80.973



Tritanopia
62, 68.147, 26.312

Trichromacy



Original Color
62, 76.427, 40.629

Protanomaly
61, 45.140, 63.308

Deuteranomaly
61, 57.002, 60.747

Tritanomaly
62, 70.652, 32.012

Monochromacy



Original Color
62, 76.427, 40.629

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, 76.641, 40.327 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, 98, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 64)  
}
```

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, 98, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 76.641, 40.327 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, 98, 64) }
```

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

```
.border{ border-color:rgb(255, 98, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 98, 64); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 98, 64); box-shadow:4px 4px 4px 4px rgb(255, 98, 64) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 76.641, 40.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 64) }
```

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

```
.background{ background-color: rgb(255, 98,  
64) }
```

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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