

Converting Colors

CIELCh(62, 80.981, 44.062)

Have a look what the booklet for
CIELCh(62, 80.981, 44.062) contains.

CIELCh(62, 80.264, 44.181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 80.264, 44.181)

Conversions

Conversions Part 1

Format	Color
Hex	FF6233
RGB	255, 98, 51
RGB Percent	100%, 38%, 20%
CMY	0.0000, 0.6141, 0.7986
CMYK	0.00, 0.61, 0.80, 0.00
HSL	14°, 100%, 60%
HSV	14°, 80%, 100%
XYZ	46.4246, 30.4025, 6.5951
YIQ	139.5850, 108.6590, 18.6670

Conversions

Conversions Part 2

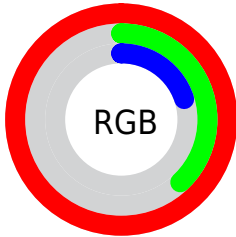
Format	Color
R_{YB}	255, 112, 51
Decimal	16736819
CIE _{Lab}	62.00, 57.56, 55.94
CIE _{LCh}	62, 80.264, 44.181
Yxy	30.4025, 0.5565, 0.3644
Android (android.graphics.Color)	4294926899 (0xFFFF6233)
YUV	139.5850, -43.6724, 101.2190
Hunter-Lab	55.1385, 53.7981, 31.5053

Details

The CIELCh color **62, 80.264, 44.181** 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 **78, 41.750, 235.052**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 54.625, 52.853**, and **42, 79.415, 43.618** is the 20% darker color. If you saturate the color by 10%, you get **59, 90.658, 44.521**, and if you desaturate by 10%, it is **66, 68.372, 43.583**.

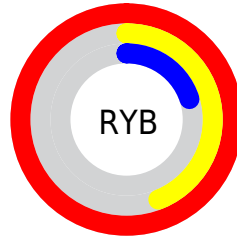
Distribution



Red (100%)

Green (38%)

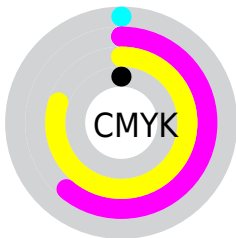
Blue (20%)



Red (100%)

Yellow (44%)

Blue (20%)

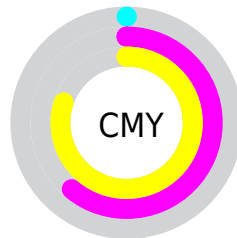


Cyan (0%)

Magenta (61%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 80.264, 44.181 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, 80.264, 44.181 by changing the saturation by 10% instead.

 62, 80.264, 44.181

 62, 80.264, 44.181

 100, 80.264,
44.181

 52, 80.264, 44.181

 82, 80.264, 44.181

 42, 80.264, 44.181

 92, 80.264, 44.181

 32, 80.264, 44.181

 22, 80.264, 44.181

 12, 80.264, 44.181

 2, 80.264, 44.181

 0, 80.264, 44.181

 62, 80.264, 44.181

 62, 80.264, 44.181

 59, 90.658, 44.521

 66, 68.372, 43.583

56, 98.460, 44.013

70, 56.656, 43.007

56, 98.561, 44.010

74, 45.416, 42.610

79, 34.856, 42.412

84, 25.044, 42.392

89, 15.976, 42.514

95, 7.612, 42.721

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, 80.264, 44.181



78, 41.750, 235.052

Rectangle

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



62, 80.264, 44.181



62, 80.264, 94.181



62, 80.264, 224.181



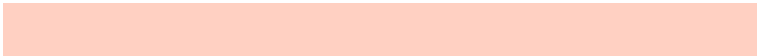
62, 80.264, 274.181

Sweetspot

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



62, 80.076, 44.213



87, 19.643, 42.449



60, 93.426, 337.147



45, 13.697, 42.409



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, 80.076, 44.213



57, 95.739, 44.239



83, 75.227, 83.907



50, 4.383, 42.729



43, 78.906, 44.472



12, 29.524, 39.038

Inverse Universe

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



78, 41.750, 235.052



75, 44.536, 241.451



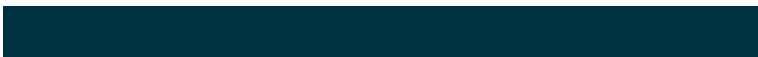
51, 84.426, 293.093



52, 4.137, 223.645



57, 36.176, 242.385



18, 16.312, 236.386

Previews

White Background



This preview shows how the CIELCh color 62, 80.264, 44.181 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, 80.264, 44.181 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, 80.264, 44.181

Background



This preview shows how black text looks on a background with the CIELCh color 62, 80.264, 44.181.



This preview shows how white text looks on a background with the CIELCh color 62, 80.264, 44.181.

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, 68.147, 26.312

Trichromacy



Original Color
62, 80.264, 44.181

Protanomaly
61, 51.318, 67.274

Deuteranomaly
61, 62.779, 63.862

Tritanomaly
62, 71.888, 33.929

Monochromacy



Original Color
62, 80.264, 44.181

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 27.051, 42.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 80.264, 44.181 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 80.264, 44.181 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, 51) }
```

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

```
.border{ border-color:rgb(255, 98, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 80.264, 44.181 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, 51) }
```

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

```
.background{ background-color: rgb(255, 98,  
51) }
```

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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