

Converting Colors

CIELCh(62, 79.616, 43.767)

Have a look what the booklet for
CIELCh(62, 79.616, 43.767) contains.

CIELCh(62, 79.476, 43.976)	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, 79.476, 43.976)

Conversions

Conversions Part 1

Format	Color
Hex	FF6335
RGB	255, 99, 53
RGB Percent	100%, 39%, 21%
CMY	0.0004, 0.6121, 0.7925
CMYK	0.00, 0.61, 0.79, 0.00
HSL	14°, 100%, 60%
HSV	14°, 79%, 100%
XYZ	46.2948, 30.4025, 6.7867
YIQ	140.4000, 107.7420, 18.7660

Conversions

Conversions Part 2

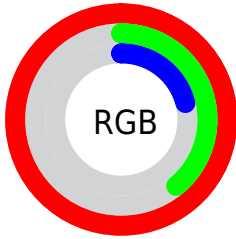
Format	Color
R_{YB}	255, 113, 53
Decimal	16737077
CIE Lab	62.00, 57.19, 55.18
CIE LCh	62, 79.476, 43.976
Yxy	30.4025, 0.5545, 0.3642
Android (android.graphics.Color)	4294927157 (0xFFFF6335)
YUV	140.4000, -43.0882, 100.5042
Hunter-Lab	55.1385, 53.3780, 31.2993

Details

The CIELCh color **62, 79.476, 43.976** 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, 41.549, 234.227**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 53.809, 52.700**, and **42, 79.235, 43.786** is the 20% darker color. If you saturate the color by 10%, you get **59, 90.185, 44.368**, and if you desaturate by 10%, it is **66, 67.732, 43.306**.

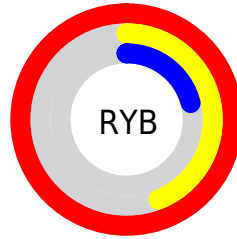
Distribution



Red (100%)

Green (39%)

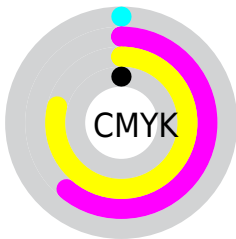
Blue (21%)



Red (100%)

Yellow (44%)

Blue (21%)

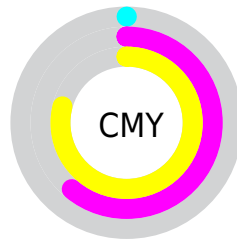


Cyan (0%)

Magenta (61%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 79.476, 43.976 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, 79.476, 43.976 by changing the saturation by 10% instead.

62, 79.476, 43.976

62, 79.476, 43.976

100, 79.476,
43.976

52, 79.476, 43.976

82, 79.476, 43.976

42, 79.476, 43.976

92, 79.476, 43.976

32, 79.476, 43.976

22, 79.476, 43.976

12, 79.476, 43.976

2, 79.476, 43.976

0, 79.476, 43.976

62, 79.476, 43.976

62, 79.476, 43.976

59, 90.185, 44.368

66, 67.732, 43.306

57, 98.133, 43.917

70, 56.020, 42.706

56, 98.676, 43.899

74, 44.803, 42.294

79, 34.273, 42.084

84, 24.493, 42.052

90, 15.457, 42.162

95, 7.123, 42.354

100, 0.038,
217.258

Harmonies

Complementary

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



62, 79.476, 43.976



78, 41.549, 234.227

Rectangle

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



62, 79.476, 43.976



62, 79.476, 93.976



62, 79.476, 223.976



62, 79.476, 273.976

Sweetspot

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



62, 79.473, 43.979



87, 19.676, 42.095



60, 93.088, 337.086



45, 13.720, 42.062



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, 79.473, 43.979



57, 95.166, 44.188



83, 74.790, 84.013



50, 4.390, 42.349



43, 79.026, 44.355



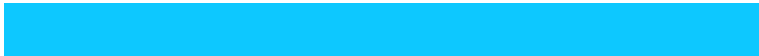
12, 29.572, 38.830

Inverse Universe

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



78, 41.549, 234.227



75, 44.290, 240.313



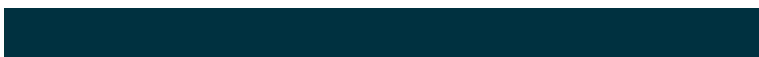
51, 83.671, 292.880



52, 4.142, 223.235



57, 36.071, 241.679



18, 16.287, 235.751

Previews

White Background



This preview shows how the CIELCh color 62, 79.476, 43.976 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, 79.476, 43.976 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, 79.476, 43.976

Background



This preview shows how black text looks on a background with the CIELCh color 62, 79.476, 43.976.



This preview shows how white text looks on a background with the CIELCh color 62, 79.476, 43.976.

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, 79.476, 43.976

Protanopia

62, 45.349, 95.314

Deuteranopia

62, 58.091, 82.197



Tritanopia
62, 67.964, 25.875

Trichromacy



Original Color
62, 79.476, 43.976

Protanomaly
61, 50.907, 67.012

Deuteranomaly
61, 62.047, 64.007

Tritanomaly
62, 71.384, 33.173

Monochromacy



Original Color
62, 79.476, 43.976

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, 79.476, 43.976 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, 99, 53)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 53)  
}
```

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, 99, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 79.476, 43.976 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, 99, 53) }
```

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

```
.border{ border-color:rgb(255, 99, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 79.476, 43.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 53) }
```

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

```
.background{ background-color: rgb(255, 99,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor