

Converting Colors

CIELCh(62, 86.584, 49.020)

Have a look what the booklet for
CIELCh(62, 86.584, 49.020) contains.

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Color

CIELCh(62, 86.436, 49.106)

Conversions

Conversions Part 1

Format	Color
Hex	FF631B
RGB	255, 99, 27
RGB Percent	100%, 39%, 11%
CMY	0.0000, 0.6104, 0.8926
CMYK	0.00, 0.61, 0.89, 0.00
HSL	19°, 100%, 55%
HSV	19°, 89%, 100%
XYZ	46.0808, 30.4025, 4.4992
YIQ	137.4360, 116.0880, 10.6800

Conversions

Conversions Part 2

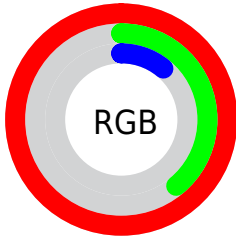
Format	Color
R_{YB}	255, 132, 27
Decimal	16737051
CIE _{Lab}	62.00, 56.59, 65.34
CIE _{LCh}	62, 86.436, 49.106
Yxy	30.4025, 0.5690, 0.3754
Android (android.graphics.Color)	4294927131 (0xFFFF631B)
YUV	137.4360, -54.4449, 103.1036
Hunter-Lab	55.1385, 52.6853, 33.7590

Details

The CIELCh color **62, 86.436, 49.106** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **70, 47.569, 254.704**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 61.947, 59.694**, and **42, 79.053, 43.958** is the 20% darker color. If you saturate the color by 10%, you get **59, 93.899, 47.650**, and if you desaturate by 10%, it is **65, 76.169, 49.813**.

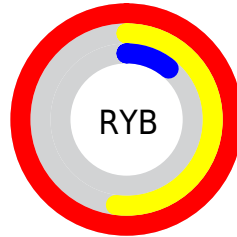
Distribution



Red (100%)

Green (39%)

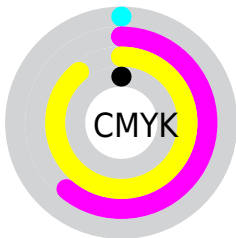
Blue (11%)



Red (100%)

Yellow (52%)

Blue (11%)

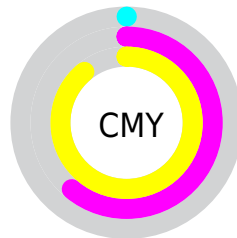


Cyan (0%)

Magenta (61%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 86.436, 49.106 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, 86.436, 49.106 by changing the saturation by 10% instead.

 62, 86.436, 49.106

 62, 86.436, 49.106

 100, 86.436,
49.106

 52, 86.436, 49.106

 82, 86.436, 49.106

 42, 86.436, 49.106

 92, 86.436, 49.106

 32, 86.436, 49.106

 22, 86.436, 49.106

 12, 86.436, 49.106

 2, 86.436, 49.106

 0, 86.436, 49.106

 62, 86.436, 49.106

 62, 86.436, 49.106

 59, 93.899, 47.650

 65, 76.169, 49.813

59, 94.416, 47.553

69, 65.031, 50.102

73, 53.887, 50.336

77, 43.194, 50.644

81, 33.134, 51.058

86, 23.758, 51.575

91, 15.052, 52.174

95, 6.972, 52.808

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, 86.436, 49.106



70, 47.569, 254.704

Rectangle

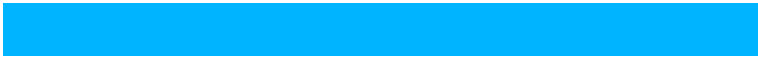
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 86.436, 49.106



62, 86.436, 99.106



62, 86.436, 229.106



62, 86.436, 279.106

Sweetspot

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



62, 86.287, 49.144



87, 21.729, 51.705



58, 91.429, 343.248



45, 14.836, 51.511



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, 86.287, 49.144



59, 94.416, 47.553



86, 83.065, 89.196



51, 4.282, 52.793



45, 75.560, 48.143



13, 28.348, 45.066

Inverse Universe

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



70, 47.569, 254.704



68, 50.826, 260.183



42, 106.919, 300.137



51, 4.075, 234.439



52, 40.552, 259.207



16, 17.580, 252.063

Previews

White Background



This preview shows how the CIELCh color 62, 86.436, 49.106 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, 86.436, 49.106 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, 86.436, 49.106

Background



This preview shows how black text looks on a background with the CIELCh color 62, 86.436, 49.106.



This preview shows how white text looks on a background with the CIELCh color 62, 86.436, 49.106.

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, 86.436, 49.106

Protanopia

62, 56.775, 95.400

Deuteranopia

62, 67.130, 83.129



Tritanopia
62, 68.147, 26.312

Trichromacy



Original Color
62, 86.436, 49.106

Protanomaly
61, 61.357, 72.355

Deuteranomaly
61, 71.313, 67.440

Tritanomaly
62, 73.785, 37.106

Monochromacy



Original Color
62, 86.436, 49.106

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 29.959, 50.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 86.436, 49.106 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 86.436, 49.106 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, 27) }
```

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

```
.border{ border-color:rgb(255, 99, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 86.436, 49.106 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, 27) }
```

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

```
.background{ background-color: rgb(255, 99,  
27) }
```

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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