

Converting Colors

CIELCh(70, 79.610, 62.837)

Have a look what the booklet for
CIELCh(70, 79.610, 62.837) contains.

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Color

CIELCh(70, 79.455, 62.950)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E1D
RGB	255, 142, 29
RGB Percent	100%, 56%, 11%
CMY	0.0000, 0.4427, 0.8857
CMYK	0.00, 0.44, 0.89, 0.00
HSL	30°, 100%, 56%
HSV	30°, 89%, 100%
XYZ	51.1971, 40.7494, 6.3385
YIQ	162.9050, 103.6210, -11.1870

Conversions

Conversions Part 2

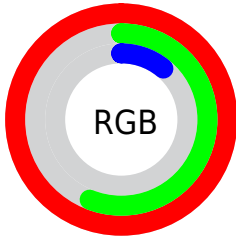
Format	Color
R _Y B	255, 255, 29
Decimal	16748061
CIE Lab	70.00, 36.13, 70.76
CIE LCh	70, 79.455, 62.950
Yxy	40.7494, 0.5209, 0.4146
Android (android.graphics.Color)	4294938141 (0xFFFF8E1D)
YUV	162.9050, -66.0152, 80.7673
Hunter-Lab	63.8353, 31.4488, 38.7975

Details

The CIELCh color **70, 79.455, 62.950** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 65.242, 279.807**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.740, 80.903**, and **50, 69.499, 58.187** is the 20% darker color. If you saturate the color by 10%, you get **67, 84.892, 60.201**, and if you desaturate by 10%, it is **73, 71.430, 64.998**.

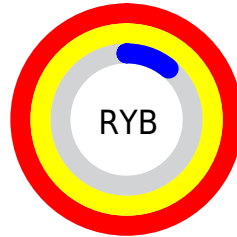
Distribution



Red (100%)

Green (56%)

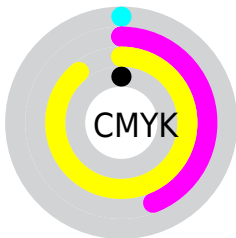
Blue (11%)



Red (100%)

Yellow (100%)

Blue (11%)

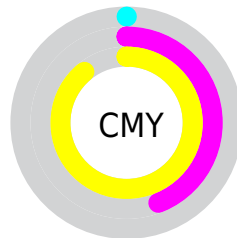


Cyan (0%)

Magenta (44%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 79.455, 62.950 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 70, 79.455, 62.950 by changing the saturation by 10% instead.

 70, 79.455, 62.950

 70, 79.455, 62.950

 100, 79.455,
62.950

 60, 79.455, 62.950

 90, 79.455, 62.950

 50, 79.455, 62.950

 40, 79.455, 62.950

 30, 79.455, 62.950

 20, 79.455, 62.950

 10, 79.455, 62.950

 0, 79.455, 62.950

 70, 79.455, 62.950

 70, 79.455, 62.950

 67, 84.892, 60.201

 73, 71.430, 64.998

67, 85.591, 59.798

76, 62.047, 66.582

79, 52.204, 67.973

82, 42.414, 69.288

86, 32.915, 70.576

89, 23.805, 71.850

93, 15.106, 73.107

97, 6.807, 74.322

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.



70, 79.455, 62.950



59, 65.242, 279.807

Rectangle

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



70, 79.455, 62.950



70, 79.455, 112.950



70, 79.455, 242.950



70, 79.455, 292.950

Sweetspot

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



70, 79.413, 62.978



90, 22.411, 72.049



56, 83.058, 358.315



47, 15.226, 71.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 79.413, 62.978



67, 85.591, 59.798



97, 94.203, 103.044



51, 4.526, 74.212



51, 68.687, 60.508



16, 27.010, 61.845

Inverse Universe

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



59, 65.242, 279.807



55, 73.690, 285.046



35, 127.263, 305.369



51, 4.425, 256.746



41, 58.330, 284.205



12, 23.740, 277.651

Previews

White Background



This preview shows how the CIELCh color 70, 79.455, 62.950 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 70, 79.455, 62.950 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 70, 79.455, 62.950

Background



This preview shows how black text looks on a background with the CIELCh color 70, 79.455, 62.950.



This preview shows how white text looks on a background with the CIELCh color 70, 79.455, 62.950.

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

70, 79.455, 62.950

Protanopia

70, 66.101, 95.238

Deuteranopia

70, 73.703, 83.204



Tritanopia
70, 48.969, 19.149

Trichromacy



Original Color
70, 79.455, 62.950

Protanomaly
70, 67.852, 81.660

Deuteranomaly
70, 75.023, 75.203

Tritanomaly
70, 56.693, 43.359

Monochromacy



Original Color
70, 79.455, 62.950

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 29.011, 70.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 79.455, 62.950 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, 142, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 29)  
}
```

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, 142, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 79.455, 62.950 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, 142, 29) }
```

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

```
.border{ border-color:rgb(255, 142, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 79.455, 62.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 29) }
```

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

```
.background{ background-color: rgb(255,  
142, 29) }
```

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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