

Converting Colors

CIELCh(70, 78.415, 63.208)

Have a look what the booklet for
CIELCh(70, 78.415, 63.208) contains.

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Color

CIELCh(70, 78.350, 63.237)

Conversions

Conversions Part 1

Format	Color
Hex	FE8F20
RGB	254, 143, 32
RGB Percent	100%, 56%, 13%
CMY	0.0045, 0.4397, 0.8752
CMYK	0.00, 0.44, 0.87, 0.00
HSL	30°, 99%, 56%
HSV	30°, 87%, 100%
XYZ	50.8760, 40.7494, 6.5384
YIQ	163.5350, 101.7870, -10.9890

Conversions

Conversions Part 2

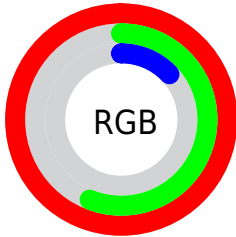
Format	Color
RYB	254, 254, 32
Decimal	16682784
CIELab	70.00, 35.28, 69.96
CIELCh	70, 78.350, 63.237
Yxy	40.7494, 0.5183, 0.4151
Android (android.graphics.Color)	4294872864 (0xFFFE8F20)
YUV	163.5350, -64.8468, 79.3378
Hunter-Lab	63.8353, 30.5507, 38.6119

Details

The CIELCh color **70, 78.350, 63.237** 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, 64.201, 279.289**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.083, 81.186**, and **50, 68.976, 58.811** is the 20% darker color. If you saturate the color by 10%, you get **67, 84.063, 60.535**, and if you desaturate by 10%, it is **73, 70.175, 65.193**.

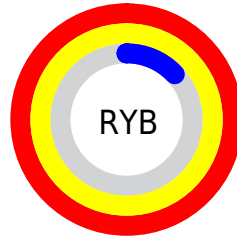
Distribution



Red (100%)

Green (56%)

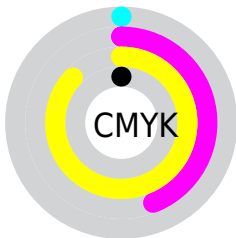
Blue (13%)



Red (100%)

Yellow (100%)

Blue (13%)

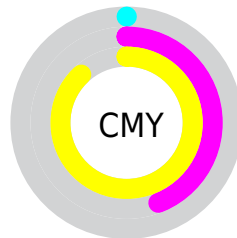


Cyan (0%)

Magenta (44%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 78.350, 63.237 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, 78.350, 63.237 by changing the saturation by 10% instead.

 70, 78.350, 63.237

 70, 78.350, 63.237

 100, 78.350,
63.237

 60, 78.350, 63.237

 90, 78.350, 63.237

 50, 78.350, 63.237

 40, 78.350, 63.237

 30, 78.350, 63.237

 20, 78.350, 63.237

 10, 78.350, 63.237

 0, 78.350, 63.237

 70, 78.350, 63.237

 70, 78.350, 63.237

 67, 84.063, 60.535

 73, 70.175, 65.193

67, 85.292, 59.808

76, 60.736, 66.746

79, 50.917, 68.123

82, 41.187, 69.434

86, 31.764, 70.719

89, 22.732, 71.991

93, 14.111, 73.245

97, 5.886, 74.450

100, 0.403,
201.025

Harmonies

Complementary

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



70, 78.350, 63.237



59, 64.201, 279.289

Rectangle

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



70, 78.350, 63.237



70, 78.350, 113.237



70, 78.350, 243.237



70, 78.350, 293.237

Sweetspot

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



70, 78.348, 63.240



90, 21.529, 72.175



56, 82.482, 357.911



47, 14.716, 71.736



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, 78.348, 63.240



67, 85.591, 59.798



97, 93.438, 103.076



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, 64.201, 279.289



55, 73.689, 285.045



35, 125.807, 305.225



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, 78.350, 63.237 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, 78.350, 63.237 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, 78.350, 63.237

Background



This preview shows how black text looks on a background with the CIELCh color 70, 78.350, 63.237.



This preview shows how white text looks on a background with the CIELCh color 70, 78.350, 63.237.

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, 78.350, 63.237

Protanopia

70, 65.509, 95.226

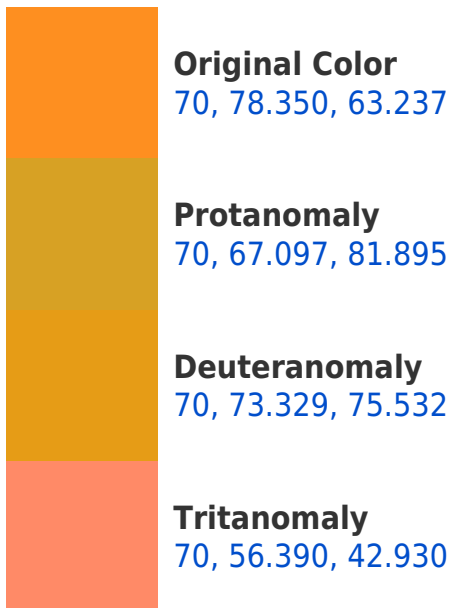
Deuteranopia

70, 72.171, 82.954



Tritanopia
70, 48.969, 19.149

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 78.350, 63.237 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(254, 143, 32)` looks like.

```
.text, #text, p{  
    color:rgb(254, 143, 32)  
}
```

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(254, 143, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 143, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 78.350, 63.237 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(254, 143, 32) }
```

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

```
.border{ border-color:rgb(254, 143, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 143, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 143, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 143, 32);  
box-shadow:4px 4px 4px 4px rgb(254, 143,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 78.350, 63.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 143, 32) }
```

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

```
.background{ background-color: rgb(254,  
143, 32) }
```

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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