

Converting Colors

CIELCh(70, 64.088, 63.996)

Have a look what the booklet for
CIELCh(70, 64.088, 63.996) contains.

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Color

CIELCh(70, 64.113, 63.800)

Conversions

Conversions Part 1

Format	Color
Hex	F29540
RGB	242, 149, 64
RGB Percent	95%, 58%, 25%
CMY	0.0509, 0.4156, 0.7490
CMYK	0.00, 0.38, 0.74, 0.05
HSL	29°, 87%, 60%
HSV	29°, 74%, 95%
XYZ	48.2985, 40.7494, 10.1721
YIQ	167.1170, 82.7130, -6.7190

Conversions

Conversions Part 2

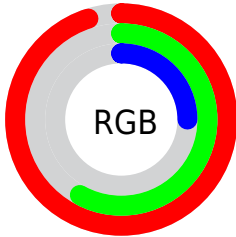
Format	Color
R _Y B	242, 227, 64
Decimal	15897920
CIE Lab	70.00, 28.31, 57.53
CIE LCh	70, 64.113, 63.800
Yxy	40.7494, 0.4868, 0.4107
Android (android.graphics.Color)	4294088000 (0xFFFF29540)
YUV	167.1170, -50.8367, 65.6724
Hunter-Lab	63.8353, 23.3435, 35.2369

Details

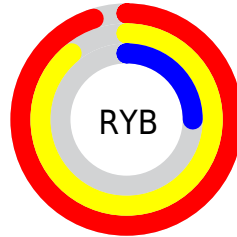
The CIELCh color **70, 64.113, 63.800** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 50.418, 270.643**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 50.869, 80.898**, and **50, 63.987, 64.162** is the 20% darker color. If you saturate the color by 10%, you get **67, 72.862, 62.154**, and if you desaturate by 10%, it is **73, 54.632, 65.170**.

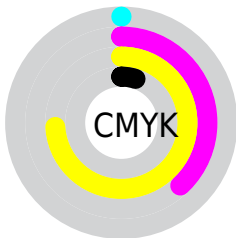
Distribution



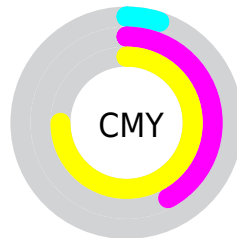
- Red (95%)
- Green (58%)
- Blue (25%)



- Red (95%)
- Yellow (89%)
- Blue (25%)



- Cyan (0%)
- Magenta (38%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (42%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 64.113, 63.800 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, 64.113, 63.800 by changing the saturation by 10% instead.

 70, 64.113, 63.800

 70, 64.113, 63.800

 100, 64.113,
63.800

 60, 64.113, 63.800

 90, 64.113, 63.800

 50, 64.113, 63.800

 40, 64.113, 63.800

 30, 64.113, 63.800

 20, 64.113, 63.800

 10, 64.113, 63.800

 0, 64.113, 63.800

 70, 64.113, 63.800

 70, 64.113, 63.800

 67, 72.862, 62.154

 73, 54.632, 65.170

64, 79.772, 59.890

76, 45.082, 66.428

63, 83.069, 58.087

80, 35.780, 67.653

83, 26.863, 68.871

87, 18.371, 70.086

90, 10.301, 71.283

94, 2.627, 72.360

98, 3.711, 241.123

99, 4.477, 199.269

Harmonies

Complementary

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



70, 64.113, 63.800



63, 50.418, 270.643

Rectangle

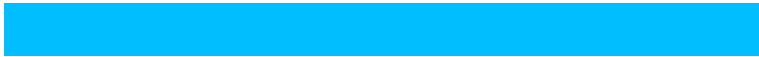
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 64.113, 63.800



70, 64.113, 113.800



70, 64.113, 243.800



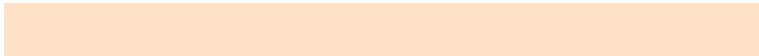
70, 64.113, 293.800

Sweetspot

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



70, 64.112, 63.803



92, 17.837, 70.265



57, 74.528, 351.309



48, 12.069, 69.937



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, 64.112, 63.803



69, 79.503, 61.193



91, 80.005, 101.928



48, 4.242, 71.757



48, 67.244, 58.800



13, 23.434, 58.860

Inverse Universe

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



63, 50.418, 270.643



60, 62.150, 277.115



41, 101.172, 301.765



48, 4.134, 254.228



41, 53.908, 281.753



10, 20.552, 273.846

Previews

White Background



This preview shows how the CIELCh color 70, 64.113, 63.800 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, 64.113, 63.800 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, 64.113, 63.800

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.113, 63.800.



This preview shows how white text looks on a background with the CIELCh color 70, 64.113, 63.800.

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, 64.113, 63.800

Protanopia

70, 53.667, 95.677

Deuteranopia

70, 58.918, 81.345

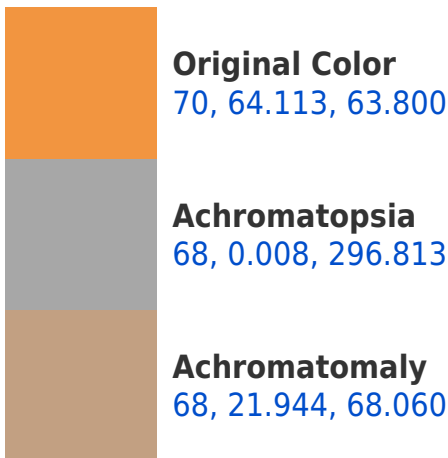


Tritanopia
70, 43.423, 16.990

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.113, 63.800 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(242, 149, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 149, 64)  
}
```

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(242, 149, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 149, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.113, 63.800 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(242, 149, 64) }
```

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

```
.border{ border-color:rgb(242, 149, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 149, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 149, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 149, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 149,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.113, 63.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 149, 64) }
```

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

```
.background{ background-color: rgb(242,  
149, 64) }
```

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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