

Converting Colors

CIELCh(70, 64.337, 68.168)

Have a look what the booklet for
CIELCh(70, 64.337, 68.168) contains.

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Color

CIELCh(70, 64.386, 68.117)

Conversions

Conversions Part 1

Format	Color
Hex	EC983A
RGB	236, 152, 58
RGB Percent	93%, 60%, 23%
CMY	0.0732, 0.4028, 0.7714
CMYK	0.00, 0.36, 0.75, 0.07
HSL	32°, 83%, 58%
HSV	32°, 75%, 93%
XYZ	46.7506, 40.7494, 9.4434
YIQ	166.4000, 80.2380, -11.4260

Conversions

Conversions Part 2

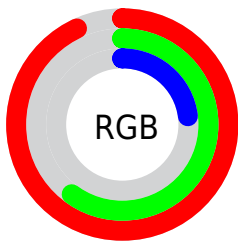
Format	Color
R _Y B	217, 236, 58
Decimal	15505466
CIE Lab	70.00, 24.00, 59.75
CIE LCh	70, 64.386, 68.117
Yxy	40.7494, 0.4822, 0.4203
Android (android.graphics.Color)	4293695546 (0xFFEC983A)
YUV	166.4000, -53.4412, 61.0392
Hunter-Lab	63.8353, 19.0151, 35.9137

Details

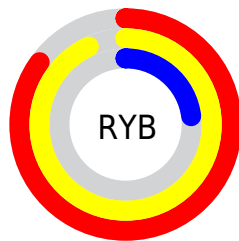
The CIELCh color **70, 64.386, 68.117** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **58, 54.959, 276.773**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 53.552, 82.887**, and **50, 62.682, 67.449** is the 20% darker color. If you saturate the color by 10%, you get **67, 72.173, 66.213**, and if you desaturate by 10%, it is **73, 55.547, 69.699**.

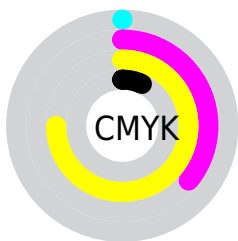
Distribution



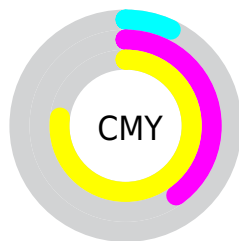
- Red (93%)
- Green (60%)
- Blue (23%)



- Red (85%)
- Yellow (93%)
- Blue (23%)



- Cyan (0%)
- Magenta (36%)
- Yellow (75%)
- Black (7%)



- Cyan (7%)
- Magenta (40%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 64.386, 68.117 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, 64.386, 68.117 by changing the saturation by 10% instead.

 70, 64.386, 68.117

 70, 64.386, 68.117

 100, 64.386,
68.117

 60, 64.386, 68.117

 90, 64.386, 68.117

 50, 64.386, 68.117

 40, 64.386, 68.117

 30, 64.386, 68.117

 20, 64.386, 68.117

 10, 64.386, 68.117

 0, 64.386, 68.117

 70, 64.386, 68.117

 70, 64.386, 68.117

 67, 72.173, 66.213

 73, 55.547, 69.699

65, 77.825, 63.664

76, 46.394, 71.129

64, 79.837, 62.314

79, 37.315, 72.495

82, 28.491, 73.829

85, 19.996, 75.141

88, 11.846, 76.423

92, 4.031, 77.627

95, 3.473, 259.073

98, 5.711, 211.058

Harmonies

Complementary

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



70, 64.386, 68.117



58, 54.959, 276.773

Rectangle

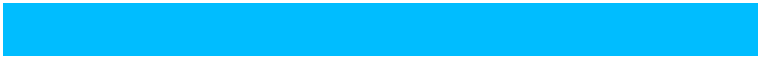
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 64.386, 68.117



70, 64.386, 118.117



70, 64.386, 248.117



70, 64.386, 298.117

Sweetspot

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



70, 64.385, 68.120



92, 19.215, 75.431



55, 72.709, 355.369



48, 13.403, 74.960



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, 64.385, 68.120



71, 79.819, 65.033



91, 81.792, 104.469



47, 4.308, 77.150



50, 65.202, 63.004



13, 22.215, 63.951

Inverse Universe

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



58, 54.959, 276.773



57, 69.844, 283.197



38, 104.841, 303.255



47, 4.231, 259.701



38, 58.940, 286.627



9, 21.612, 278.723

Previews

White Background



This preview shows how the CIELCh color 70, 64.386, 68.117 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, 64.386, 68.117 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, 64.386, 68.117

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.386, 68.117.



This preview shows how white text looks on a background with the CIELCh color 70, 64.386, 68.117.

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, 64.386, 68.117

Protanopia

70, 56.239, 95.798

Deuteranopia

70, 61.051, 81.458



Tritanopia
70, 40.070, 15.954

Trichromacy



Original Color
70, 64.386, 68.117

Protanomaly
70, 57.175, 85.115

Deuteranomaly
70, 61.941, 76.276

Tritanomaly
70, 43.976, 41.917

Monochromacy



Original Color
70, 64.386, 68.117

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 23.095, 75.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.386, 68.117 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(236, 152, 58)` looks like.

```
.text, #text, p{  
    color:rgb(236, 152, 58)  
}
```

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(236, 152, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 152, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.386, 68.117 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(236, 152, 58) }
```

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

```
.border{ border-color:rgb(236, 152, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 152, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 152, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 152, 58); box-shadow:4px 4px 4px 4px rgb(236, 152, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.386, 68.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 152, 58) }
```

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

```
.background{ background-color: rgb(236,  
152, 58) }
```

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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