

Converting Colors

CIELCh(70, 63.108, 66.936)

Have a look what the booklet for
CIELCh(70, 63.108, 66.936) contains.

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Color

CIELCh(70, 63.220, 67.118)

Conversions

Conversions Part 1

Format	Color
Hex	ED983E
RGB	237, 152, 62
RGB Percent	93%, 60%, 24%
CMY	0.0711, 0.4043, 0.7573
CMYK	0.00, 0.36, 0.74, 0.07
HSL	31°, 83%, 59%
HSV	31°, 74%, 93%
XYZ	46.9587, 40.7494, 9.9322
YIQ	167.1550, 79.5500, -9.9700

Conversions

Conversions Part 2

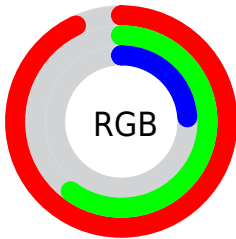
Format	Color
R _Y B	227, 237, 62
Decimal	15571006
CIE Lab	70.00, 24.58, 58.25
CIE LCh	70, 63.220, 67.118
Yxy	40.7494, 0.4809, 0.4173
Android (android.graphics.Color)	4293761086 (0xFFED983E)
YUV	167.1550, -51.8414, 61.2541
Hunter-Lab	63.8353, 19.5969, 35.4597

Details

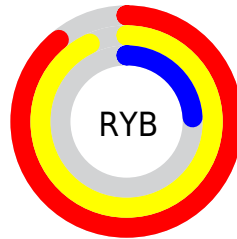
The CIELCh color **70, 63.220, 67.118** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **60, 52.814, 274.795**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 52.424, 83.050**, and **50, 62.995, 67.136** is the 20% darker color. If you saturate the color by 10%, you get **67, 71.383, 65.317**, and if you desaturate by 10%, it is **73, 54.186, 68.631**.

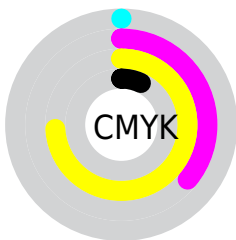
Distribution



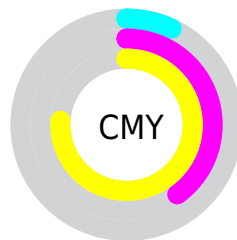
- Red (93%)
- Green (60%)
- Blue (24%)



- Red (89%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (74%)
- Black (7%)



- Cyan (7%)
- Magenta (40%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 63.220, 67.118 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, 63.220, 67.118 by changing the saturation by 10% instead.

 70, 63.220, 67.118

 70, 63.220, 67.118

 100, 63.220,
67.118

 60, 63.220, 67.118

 90, 63.220, 67.118

 50, 63.220, 67.118

 40, 63.220, 67.118

 30, 63.220, 67.118

 20, 63.220, 67.118

 10, 63.220, 67.118

 0, 63.220, 67.118

 70, 63.220, 67.118

 70, 63.220, 67.118

 67, 71.383, 65.317

 73, 54.186, 68.631

65, 77.612, 62.913

76, 44.957, 70.012

63, 80.397, 61.148

79, 35.873, 71.342

82, 27.090, 72.648

86, 18.665, 73.936

89, 10.603, 75.195

92, 2.889, 76.345

96, 4.505, 257.795

99, 6.222, 199.118

Harmonies

Complementary

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



70, 63.220, 67.118



60, 52.814, 274.795

Rectangle

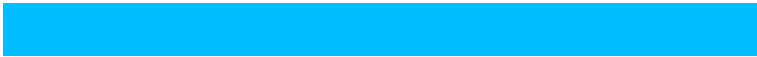
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 63.220, 67.118



70, 63.220, 117.118



70, 63.220, 247.118



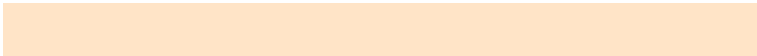
70, 63.220, 297.118

Sweetspot

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



70, 63.219, 67.121



92, 18.189, 74.163



56, 72.453, 353.752



48, 12.297, 73.816



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, 63.219, 67.121



71, 79.428, 64.098



91, 80.892, 103.670



47, 4.266, 75.732



49, 65.524, 61.848



13, 22.189, 62.482

Inverse Universe

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



60, 52.814, 274.795



58, 67.323, 281.438



39, 103.142, 302.769



47, 4.182, 258.267



38, 57.384, 285.380



9, 21.105, 277.344

Previews

White Background



This preview shows how the CIELCh color 70, 63.220, 67.118 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, 63.220, 67.118 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, 63.220, 67.118

Background



This preview shows how black text looks on a background with the CIELCh color 70, 63.220, 67.118.



This preview shows how white text looks on a background with the CIELCh color 70, 63.220, 67.118.

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, 63.220, 67.118

Protanopia

70, 54.968, 95.742

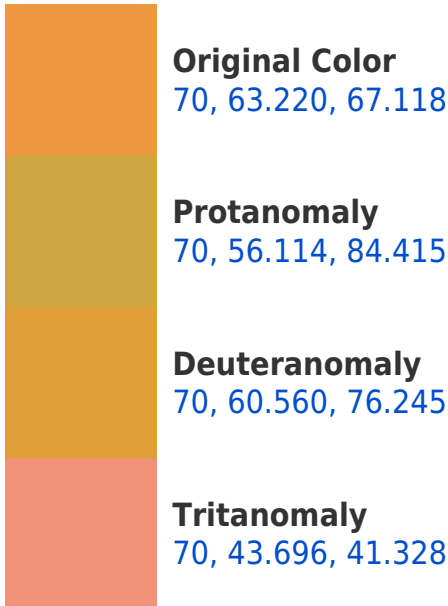
Deuteranopia

70, 59.702, 81.552



Tritanopia
70, 40.070, 15.954

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 63.220, 67.118 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(237, 152, 62)` looks like.

```
.text, #text, p{  
    color:rgb(237, 152, 62)  
}
```

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(237, 152, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 152, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 63.220, 67.118 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(237, 152, 62) }
```

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

```
.border{ border-color:rgb(237, 152, 62) }
```

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

Here you see how a box with a 4 pixel rgb(237, 152, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 152, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 152, 62);  
box-shadow:4px 4px 4px 4px rgb(237, 152,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 63.220, 67.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 152, 62) }
```

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

```
.background{ background-color: rgb(237,  
152, 62) }
```

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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