

Converting Colors

CIELCh(71, 62.164, 68.328)

Have a look what the booklet for
CIELCh(71, 62.164, 68.328) contains.

CIELCh(71, 62.458, 68.376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(71, 62.458, 68.376)

Conversions

Conversions Part 1

Format	Color
Hex	EE9C41
RGB	238, 156, 65
RGB Percent	93%, 61%, 25%
CMY	0.0679, 0.3893, 0.7461
CMYK	0.00, 0.34, 0.73, 0.07
HSL	32°, 83%, 59%
HSV	32°, 73%, 93%
XYZ	47.9438, 42.1875, 10.5767
YIQ	170.1440, 78.0830, -10.9170

Conversions

Conversions Part 2

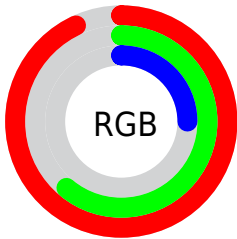
Format	Color
R _Y B	221, 238, 65
Decimal	15637569
CIE Lab	71.00, 23.02, 58.06
CIE LCh	71, 62.458, 68.376
Yxy	42.1875, 0.4761, 0.4189
Android (android.graphics.Color)	4293827649 (0xFFEE9C41)
YUV	170.1440, -51.8360, 59.5097
Hunter-Lab	64.9519, 18.0926, 35.8116

Details

The CIELCh color **71, 62.458, 68.376** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **60, 53.204, 275.578**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 51.553, 84.880**, and **51, 62.449, 68.640** is the 20% darker color. If you saturate the color by 10%, you get **68, 70.661, 66.584**, and if you desaturate by 10%, it is **74, 53.432, 69.903**.

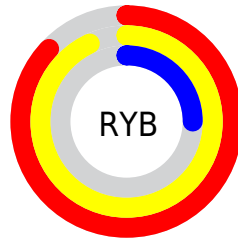
Distribution



Red (93%)

Green (61%)

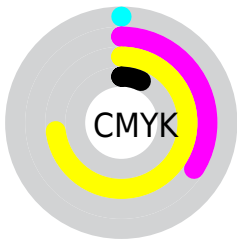
Blue (25%)



Red (87%)

Yellow (93%)

Blue (25%)

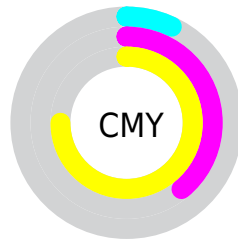


Cyan (0%)

Magenta (34%)

Yellow (73%)

Black (7%)



Cyan (7%)

Magenta (39%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 62.458, 68.376 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 71, 62.458, 68.376 by changing the saturation by 10% instead.

71, 62.458, 68.376

71, 62.458, 68.376

100, 62.458,
68.376

61, 62.458, 68.376

91, 62.458, 68.376

51, 62.458, 68.376

41, 62.458, 68.376

31, 62.458, 68.376

21, 62.458, 68.376

11, 62.458, 68.376

1, 62.458, 68.376

0, 62.458, 68.376

71, 62.458, 68.376

71, 62.458, 68.376

68, 70.661, 66.584

74, 53.432, 69.903

66, 77.017, 64.237

77, 44.223, 71.308

64, 80.239, 62.147

80, 35.154, 72.661

83, 26.372, 73.986

86, 17.931, 75.289

90, 9.839, 76.559

93, 2.080, 77.669

96, 5.372, 259.157

99, 5.947, 199.140

Harmonies

Complementary

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



71, 62.458, 68.376



60, 53.204, 275.578

Rectangle

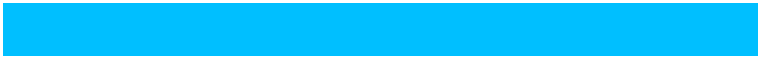
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 62.458, 68.376



71, 62.458, 118.376



71, 62.458, 248.376



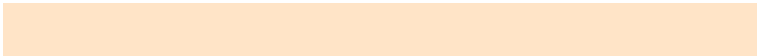
71, 62.458, 298.376

Sweetspot

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



71, 62.457, 68.379



92, 18.319, 75.377



56, 71.535, 354.696



48, 12.382, 75.026



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 62.457, 68.379



72, 77.903, 65.603



91, 80.304, 104.599



48, 4.379, 76.962



50, 65.935, 62.809



14, 23.445, 63.976

Inverse Universe

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



60, 53.204, 275.578



58, 67.255, 281.693



40, 101.782, 302.745



48, 4.299, 259.516



38, 59.407, 286.513



9, 22.387, 279.042

Previews

White Background



This preview shows how the CIELCh color 71, 62.458, 68.376 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 71, 62.458, 68.376 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 71, 62.458, 68.376

Background



This preview shows how black text looks on a background with the CIELCh color 71, 62.458, 68.376.



This preview shows how white text looks on a background with the CIELCh color 71, 62.458, 68.376.

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

71, 62.458, 68.376

Protanopia

71, 54.588, 95.330

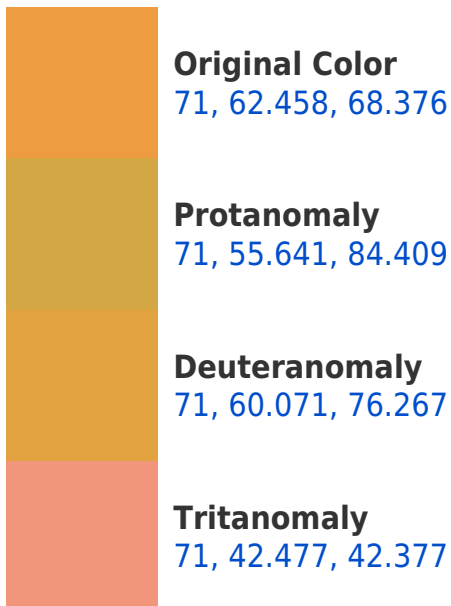
Deuteranopia

71, 59.284, 80.666



Tritanopia
71, 39.109, 14.834

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 62.458, 68.376 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(238, 156, 65)` looks like.

```
.text, #text, p{  
    color:rgb(238, 156, 65)  
}
```

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(238, 156, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 156, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 62.458, 68.376 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(238, 156, 65) }
```

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

```
.border{ border-color:rgb(238, 156, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 156, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 156, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 156, 65);  
box-shadow:4px 4px 4px 4px rgb(238, 156,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 62.458, 68.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 156, 65) }
```

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

```
.background{ background-color: rgb(238,  
156, 65) }
```

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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