

Converting Colors

CIELCh(73, 67.285, 70.003)

Have a look what the booklet for
CIELCh(73, 67.285, 70.003) contains.

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Color

CIELCh(73, 67.220, 69.997)

Conversions

Conversions Part 1

Format	Color
Hex	F5A13A
RGB	245, 161, 58
RGB Percent	96%, 63%, 23%
CMY	0.0396, 0.3689, 0.7728
CMYK	0.00, 0.34, 0.76, 0.04
HSL	33°, 90%, 59%
HSV	33°, 76%, 96%
XYZ	51.1184, 45.1644, 10.0160
YIQ	174.3740, 83.1270, -14.2250

Conversions

Conversions Part 2

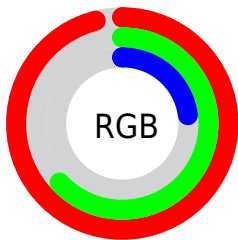
Format	Color
R_{YB}	211, 245, 58
Decimal	16097594
CIE _{Lab}	73.00, 22.99, 63.16
CIE _{LCh}	73, 67.220, 69.997
Yxy	45.1644, 0.4809, 0.4249
Android (android.graphics.Color)	4294287674 (0xFFFF5A13A)
YUV	174.3740, -57.3724, 61.9390
Hunter-Lab	67.2044, 18.1665, 38.2067

Details

The CIELCh color **73, 67.220, 69.997** 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 **59, 59.571, 279.461**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 55.592, 88.373**, and **53, 64.585, 69.015** is the 20% darker color. If you saturate the color by 10%, you get **70, 74.768, 67.987**, and if you desaturate by 10%, it is **76, 58.384, 71.661**.

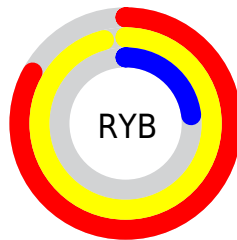
Distribution



Red (96%)

Green (63%)

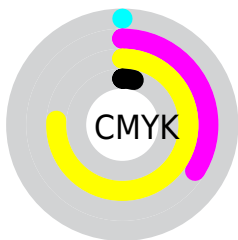
Blue (23%)



Red (83%)

Yellow (96%)

Blue (23%)

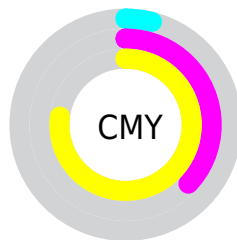


Cyan (0%)

Magenta (34%)

Yellow (76%)

Black (4%)



Cyan (4%)

Magenta (37%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 67.220, 69.997 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 73, 67.220, 69.997 by changing the saturation by 10% instead.

 73, 67.220, 69.997

 73, 67.220, 69.997

 100, 67.220,
69.997

 63, 67.220, 69.997

 93, 67.220, 69.997

 53, 67.220, 69.997

 43, 67.220, 69.997

 33, 67.220, 69.997

 23, 67.220, 69.997

 13, 67.220, 69.997

 3, 67.220, 69.997

 0, 67.220, 69.997

 73, 67.220, 69.997

 73, 67.220, 69.997

70, 74.768, 67.987

76, 58.384, 71.661

68, 79.929, 65.315

79, 49.074, 73.154

67, 81.396, 64.246

82, 39.742, 74.570

85, 30.606, 75.945

88, 21.763, 77.290

91, 13.242, 78.602

94, 5.040, 79.846

98, 2.861, 261.308

99, 3.488, 199.374

Harmonies

Complementary

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



73, 67.220, 69.997



59, 59.571, 279.461

Rectangle

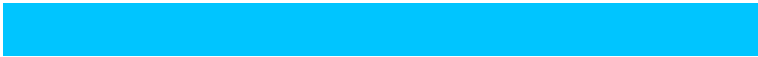
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 67.220, 69.997



73, 67.220, 119.997



73, 67.220, 249.997



73, 67.220, 299.997

Sweetspot

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



73, 67.219, 70.000



92, 19.503, 77.727



56, 74.576, 358.262



48, 13.595, 77.248



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 67.219, 70.000



72, 80.567, 66.526



93, 84.927, 106.172



49, 4.540, 79.470



52, 66.095, 64.922



15, 24.735, 66.730

Inverse Universe

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



59, 59.571, 279.461



54, 74.577, 286.145



39, 109.044, 303.858



48, 4.473, 262.047



38, 63.024, 288.692



10, 24.263, 281.856

Previews

White Background



This preview shows how the CIELCh color 73, 67.220, 69.997 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 73, 67.220, 69.997 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 73, 67.220, 69.997

Background



This preview shows how black text looks on a background with the CIELCh color 73, 67.220, 69.997.



This preview shows how white text looks on a background with the CIELCh color 73, 67.220, 69.997.

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

73, 67.220, 69.997

Protanopia

73, 60.033, 95.364

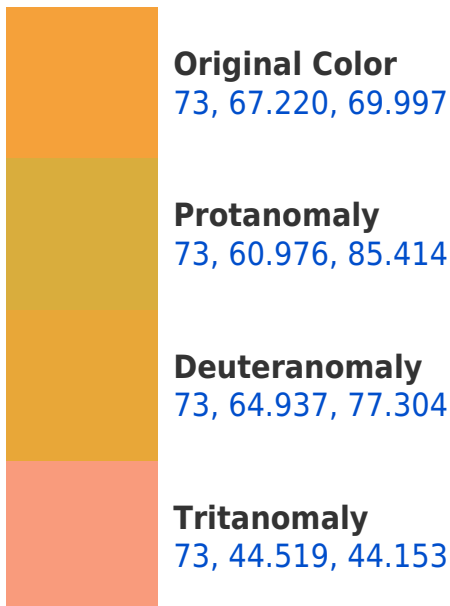
Deuteranopia

73, 64.167, 81.356



Tritanopia
73, 40.078, 15.091

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 67.220, 69.997 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(245, 161, 58)` looks like.

```
.text, #text, p{  
    color:rgb(245, 161, 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(245, 161, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 161, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 67.220, 69.997 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(245, 161, 58) }
```

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

```
.border{ border-color:rgb(245, 161, 58) }
```

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

Here you see how a box with a 4 pixel rgb(245, 161, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 161, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 161, 58);  
box-shadow:4px 4px 4px 4px rgb(245, 161,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 67.220, 69.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 161, 58) }
```

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

```
.background{ background-color: rgb(245,  
161, 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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