

Converting Colors

CIELCh(73, 72.554, 66.511)

Have a look what the booklet for
CIELCh(73, 72.554, 66.511) contains.

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Color

CIELCh(73, 72.590, 66.420)

Conversions

Conversions Part 1

Format	Color
Hex	FE9C32
RGB	254, 156, 50
RGB Percent	100%, 61%, 20%
CMY	0.0032, 0.3876, 0.8033
CMYK	0.00, 0.39, 0.80, 0.00
HSL	31°, 99%, 60%
HSV	31°, 80%, 100%
XYZ	53.4320, 45.1644, 8.9376
YIQ	173.2180, 92.4340, -12.1900

Conversions

Conversions Part 2

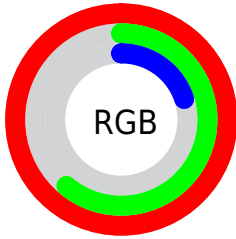
Format	Color
RYB	239, 254, 50
Decimal	16686130
CIELab	73.00, 29.04, 66.53
CIElCh	73, 72.590, 66.420
Yxy	45.1644, 0.4969, 0.4200
Android (android.graphics.Color)	4294876210 (0xFFFE9C32)
YUV	173.2180, -60.7465, 70.8458
Hunter-Lab	67.2044, 24.3117, 39.1581

Details

The CIELCh color **73, 72.590, 66.420** 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 **61, 61.167, 278.097**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 57.412, 86.377**, and **53, 67.519, 64.289** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.925, 64.235**, and if you desaturate by 10%, it is **76, 63.585, 68.125**.

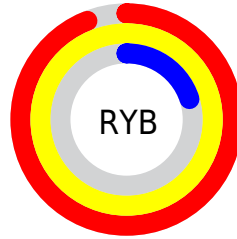
Distribution



Red (100%)

Green (61%)

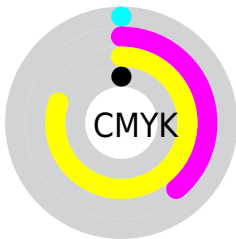
Blue (20%)



Red (94%)

Yellow (100%)

Blue (20%)

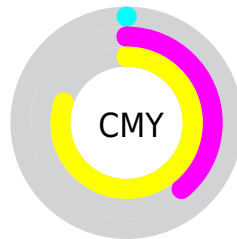


Cyan (0%)

Magenta (39%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 72.590, 66.420 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, 72.590, 66.420 by changing the saturation by 10% instead.

73, 72.590, 66.420

73, 72.590, 66.420

100, 72.590,
66.420

63, 72.590, 66.420

93, 72.590, 66.420

53, 72.590, 66.420

43, 72.590, 66.420

33, 72.590, 66.420

23, 72.590, 66.420

13, 72.590, 66.420

3, 72.590, 66.420

0, 72.590, 66.420

73, 72.590, 66.420

73, 72.590, 66.420

70, 79.925, 64.235

76, 63.585, 68.125

68, 84.692, 61.430

79, 53.926, 69.600

82, 44.194, 70.977

86, 34.676, 72.314

89, 25.497, 73.628

92, 16.696, 74.920

96, 8.270, 76.173

100, 0.199, 75.351

100, 0.285,
201.713

Harmonies

Complementary

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



73, 72.590, 66.420



61, 61.167, 278.097

Rectangle

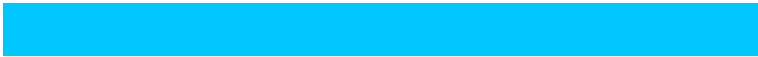
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 72.590, 66.420



73, 72.590, 116.420



73, 72.590, 246.420



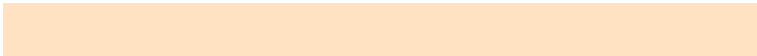
73, 72.590, 296.420

Sweetspot

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



73, 72.588, 66.423



91, 19.992, 74.440



58, 79.556, 356.891



47, 13.844, 73.979



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, 72.588, 66.423



69, 83.116, 62.612



97, 89.921, 104.242



51, 4.586, 76.265



52, 68.166, 62.128



16, 27.016, 63.786

Inverse Universe

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



61, 61.167, 278.097



55, 73.430, 285.111



38, 117.836, 304.228



50, 4.497, 258.827



40, 60.623, 286.045



11, 24.585, 279.647

Previews

White Background



This preview shows how the CIELCh color 73, 72.590, 66.420 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, 72.590, 66.420 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, 72.590, 66.420

Background



This preview shows how black text looks on a background with the CIELCh color 73, 72.590, 66.420.



This preview shows how white text looks on a background with the CIELCh color 73, 72.590, 66.420.

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, 72.590, 66.420

Protanopia

73, 62.730, 95.457

Deuteranopia

73, 68.078, 81.830



Tritanopia
73, 42.630, 17.318

Trichromacy



Original Color
73, 72.590, 66.420

Protanomaly
73, 63.740, 83.768

Deuteranomaly
73, 69.092, 76.034

Tritanomaly
73, 48.957, 43.741

Monochromacy



Original Color
73, 72.590, 66.420

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 26.299, 72.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 72.590, 66.420 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(254, 156, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 156, 50)  
}
```

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(254, 156, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 156, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 72.590, 66.420 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(254, 156, 50) }
```

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

```
.border{ border-color:rgb(254, 156, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 156, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 156, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 156, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 156,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 72.590, 66.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 156, 50) }
```

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

```
.background{ background-color: rgb(254,  
156, 50) }
```

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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