

Converting Colors

CIELCh(77, 66.060, 71.033)

Have a look what the booklet for
CIELCh(77, 66.060, 71.033) contains.

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Color

CIELCh(77, 66.142, 71.171)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD46
RGB	255, 173, 70
RGB Percent	100%, 68%, 27%
CMY	0.0004, 0.3219, 0.7258
CMYK	0.00, 0.32, 0.73, 0.00
HSL	33°, 100%, 64%
HSV	33°, 73%, 100%
XYZ	57.2283, 51.5317, 12.7092
YIQ	185.7760, 81.9350, -14.6490

Conversions

Conversions Part 2

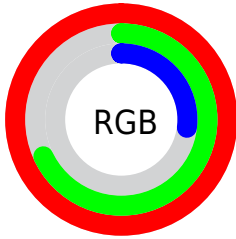
Format	Color
R _Y B	217, 255, 70
Decimal	16756038
CIE Lab	77.00, 21.35, 62.60
CIE LCh	77, 66.142, 71.171
Yxy	51.5317, 0.4711, 0.4242
Android (android.graphics.Color)	4294946118 (0xFFFFAD46)
YUV	185.7760, -57.0776, 60.7094
Hunter-Lab	71.7856, 16.6774, 39.7530

Details

The CIELCh color **77, 66.142, 71.171** 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 **62, 59.038, 278.596**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 53.754, 93.791**, and **57, 65.983, 71.453** is the 20% darker color. If you saturate the color by 10%, you get **74, 74.478, 69.304**, and if you desaturate by 10%, it is **80, 56.801, 72.773**.

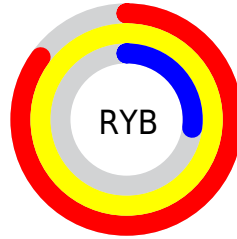
Distribution



Red (100%)

Green (68%)

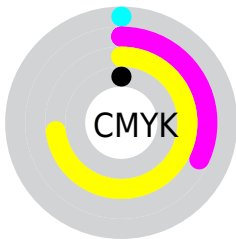
Blue (27%)



Red (85%)

Yellow (100%)

Blue (27%)

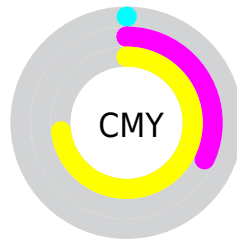


Cyan (0%)

Magenta (32%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 66.142, 71.171 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 77, 66.142, 71.171 by changing the saturation by 10% instead.

77, 66.142, 71.171

77, 66.142, 71.171

100, 66.142,
71.171

67, 66.142, 71.171

97, 66.142, 71.171

57, 66.142, 71.171

47, 66.142, 71.171

37, 66.142, 71.171

27, 66.142, 71.171

17, 66.142, 71.171

7, 66.142, 71.171

0, 66.142, 71.171

77, 66.142, 71.171

77, 66.142, 71.171

74, 74.478, 69.304

80, 56.801, 72.773

72, 80.736, 66.900

83, 47.156, 74.244

70, 83.766, 64.694

86, 37.575, 75.654

89, 28.232, 77.027

92, 19.198, 78.369

96, 10.490, 79.670

99, 2.100, 80.805

100, 0.038,
216.960

Harmonies

Complementary

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



77, 66.142, 71.171



62, 59.038, 278.596

Rectangle

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



77, 66.142, 71.171



77, 66.142, 121.171



77, 66.142, 251.171



77, 66.142, 301.171

Sweetspot

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



77, 66.141, 71.174



93, 18.696, 78.445



60, 74.638, 357.208



48, 12.627, 78.085



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 66.141, 71.174



73, 77.603, 68.325



97, 84.815, 106.319



51, 4.717, 80.056



54, 67.340, 65.377



17, 27.116, 67.542

Inverse Universe

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



62, 59.038, 278.596



56, 71.117, 284.504



43, 107.209, 303.202



50, 4.651, 262.645



38, 65.167, 289.265



11, 26.285, 283.178

Previews

White Background



This preview shows how the CIELCh color 77, 66.142, 71.171 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 77, 66.142, 71.171 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 77, 66.142, 71.171

Background



This preview shows how black text looks on a background with the CIELCh color 77, 66.142, 71.171.



This preview shows how white text looks on a background with the CIELCh color 77, 66.142, 71.171.

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

77, 66.142, 71.171

Protanopia

77, 59.536, 95.722

Deuteranopia

77, 64.032, 81.106



Tritanopia
77, 35.561, 13.385

Trichromacy



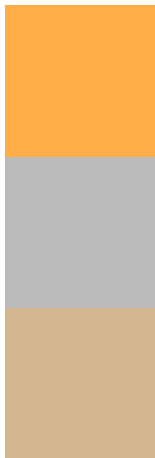
Original Color
77, 66.142, 71.171

Protanomaly
77, 60.382, 85.832

Deuteranomaly
77, 64.526, 77.421

Tritanomaly
77, 40.915, 45.503

Monochromacy



Original Color
77, 66.142, 71.171

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 23.491, 76.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 66.142, 71.171 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(255, 173, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 70)  
}
```

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(255, 173, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 66.142, 71.171 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(255, 173, 70) }
```

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

```
.border{ border-color:rgb(255, 173, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 66.142, 71.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 70) }
```

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

```
.background{ background-color: rgb(255,  
173, 70) }
```

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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