

Converting Colors

CIELCh(79, 74.040, 76.921)

Have a look what the booklet for
CIELCh(79, 74.040, 76.921) contains.

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Color

CIELCh(79, 73.631, 77.119)

Conversions

Conversions Part 1

Format	Color
Hex	FFB633
RGB	255, 182, 51
RGB Percent	100%, 71%, 20%
CMY	0.0000, 0.2878, 0.8012
CMYK	0.00, 0.29, 0.80, 0.00
HSL	38°, 100%, 60%
HSV	38°, 80%, 100%
XYZ	58.7411, 54.9284, 10.6034
YIQ	188.8930, 85.5590, -25.2650

Conversions

Conversions Part 2

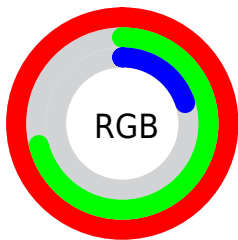
Format	Color
RYB	165, 255, 51
Decimal	16758323
CIELab	79.00, 16.41, 71.78
CIELCh	79, 73.631, 77.119
Yxy	54.9284, 0.4727, 0.4420
Android (android.graphics.Color)	4294948403 (0xFFFFB633)
YUV	188.8930, -67.9812, 57.9758
Hunter-Lab	74.1137, 11.7769, 43.3970

Details

The CIELCh color **79, 73.631, 77.119** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **54, 75.233, 288.350**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 64.397, 98.720**, and **59, 66.934, 75.712** is the 20% darker color. If you saturate the color by 10%, you get **77, 79.338, 75.175**, and if you desaturate by 10%, it is **81, 65.509, 79.122**.

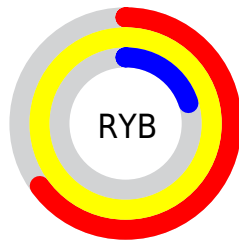
Distribution



Red (100%)

Green (71%)

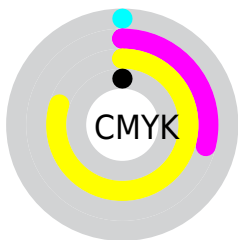
Blue (20%)



Red (65%)

Yellow (100%)

Blue (20%)

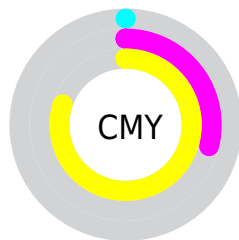


Cyan (0%)

Magenta (29%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 73.631, 77.119 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 79, 73.631, 77.119 by changing the saturation by 10% instead.

79, 73.631, 77.119

79, 73.631, 77.119

100, 73.631,
77.119

69, 73.631, 77.119

99, 73.631, 77.119

59, 73.631, 77.119

49, 73.631, 77.119

39, 73.631, 77.119

29, 73.631, 77.119

19, 73.631, 77.119

9, 73.631, 77.119

0, 73.631, 77.119

79, 73.631, 77.119

79, 73.631, 77.119

77, 79.338, 75.175

81, 65.509, 79.122

75, 82.525, 72.536

84, 56.424, 80.720

86, 46.865, 82.215

89, 37.203, 83.651

92, 27.627, 85.043

94, 18.231, 86.391

97, 9.050, 87.687

100, 0.093, 85.629

100, 0.012,
296.813

Harmonies

Complementary

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



79, 73.631, 77.119



54, 75.233, 288.350

Rectangle

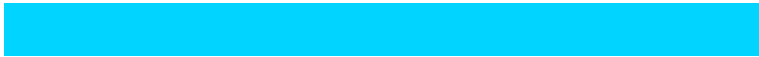
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 73.631, 77.119



79, 73.631, 127.119



79, 73.631, 257.119



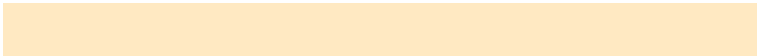
79, 73.631, 307.119

Sweetspot

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



79, 73.468, 77.331



93, 21.856, 85.873



57, 78.096, 6.442



49, 15.079, 85.391



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 73.468, 77.331



75, 81.429, 73.639



95, 90.852, 110.450



52, 5.082, 87.763



57, 66.453, 73.124



19, 27.776, 75.867

Inverse Universe

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



54, 75.233, 288.350



47, 91.633, 294.410



40, 116.834, 305.465



50, 5.066, 270.308



34, 75.731, 295.184



9, 30.376, 289.820

Previews

White Background



This preview shows how the CIELCh color 79, 73.631, 77.119 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 79, 73.631, 77.119 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 79, 73.631, 77.119

Background



This preview shows how black text looks on a background with the CIELCh color 79, 73.631, 77.119.



This preview shows how white text looks on a background with the CIELCh color 79, 73.631, 77.119.

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

79, 73.410, 77.472

Protanopia

79, 69.649, 95.067

Deuteranopia

79, 72.622, 82.108



Tritanopia
79, 32.159, 11.976

Trichromacy



Original Color
79, 73.410, 77.472

Protanomaly
79, 70.118, 88.400

Deuteranomaly
79, 72.641, 80.236

Tritanomaly
79, 40.305, 52.751

Monochromacy



Original Color
79, 73.410, 77.472

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 27.554, 83.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 73.631, 77.119 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, 182, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 51)  
}
```

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, 182, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 73.631, 77.119 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, 182, 51) }
```

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

```
.border{ border-color:rgb(255, 182, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 73.631, 77.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 51) }
```

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

```
.background{ background-color: rgb(255,  
182, 51) }
```

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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