

Converting Colors

CIELCh(79, 72.016, 77.240)

Have a look what the booklet for
CIELCh(79, 72.016, 77.240) contains.

CIELCh(79, 72.131, 77.140)	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(79, 72.131, 77.140)

Conversions

Conversions Part 1

Format	Color
Hex	FFB637
RGB	255, 182, 55
RGB Percent	100%, 71%, 22%
CMY	0.0005, 0.2866, 0.7847
CMYK	0.00, 0.29, 0.78, 0.00
HSL	38°, 100%, 61%
HSV	38°, 78%, 100%
XYZ	58.5922, 54.9284, 11.1149
YIQ	189.3490, 84.2750, -24.0210

Conversions

Conversions Part 2

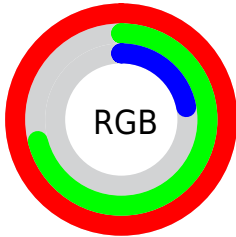
Format	Color
RYB	170, 255, 55
Decimal	16758327
CIELab	79.00, 16.05, 70.32
CIELCh	79, 72.131, 77.140
Yxy	54.9284, 0.4701, 0.4407
Android (android.graphics.Color)	4294948407 (0xFFFFB637)
YUV	189.3490, -66.2341, 57.5759
Hunter-Lab	74.1137, 11.4182, 42.9878

Details

The CIELCh color **79, 72.131, 77.140** 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 **56, 72.843, 287.317**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 63.095, 98.706**, and **59, 66.934, 75.712** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.475, 75.050**, and if you desaturate by 10%, it is **81, 63.889, 78.899**.

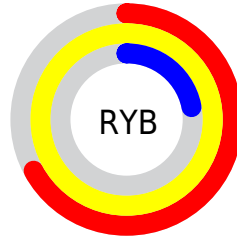
Distribution



Red (100%)

Green (71%)

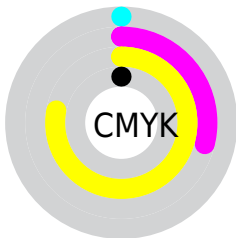
Blue (22%)



Red (67%)

Yellow (100%)

Blue (22%)

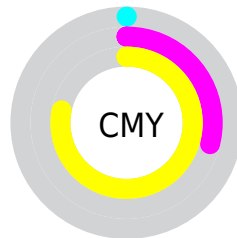


Cyan (0%)

Magenta (29%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 72.131, 77.140 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, 72.131, 77.140 by changing the saturation by 10% instead.

 79, 72.131, 77.140

 79, 72.131, 77.140

 100, 72.131,
77.140

 69, 72.131, 77.140

 99, 72.131, 77.140

 59, 72.131, 77.140

 49, 72.131, 77.140

 39, 72.131, 77.140


 29, 72.131, 77.140

 19, 72.131, 77.140

 9, 72.131, 77.140

 0, 72.131, 77.140

 79, 72.131, 77.140

 79, 72.131, 77.140

77, 78.475, 75.050

81, 63.889, 78.899

75, 82.077, 72.412

84, 54.676, 80.477

74, 82.524, 71.990

86, 45.086, 81.963

89, 35.447, 83.392

92, 25.928, 84.778

95, 16.606, 86.121

97, 7.509, 87.406

100, 0.041,
215.886

Harmonies

Complementary

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



79, 72.131, 77.140



56, 72.843, 287.317

Rectangle

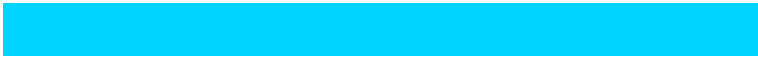
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 72.131, 77.140



79, 72.131, 127.140



79, 72.131, 257.140



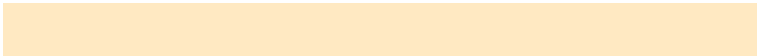
79, 72.131, 307.140

Sweetspot

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



79, 72.130, 77.143



93, 21.750, 85.383



58, 77.120, 5.802



49, 15.009, 84.901



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, 72.130, 77.143



76, 80.827, 73.658



95, 89.748, 110.457



52, 5.054, 87.276



57, 66.467, 72.586



19, 27.712, 75.314

Inverse Universe

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



56, 72.843, 287.317



48, 88.704, 293.288



41, 114.689, 305.263



50, 5.035, 269.827



34, 75.009, 294.833



9, 30.089, 289.419

Previews

White Background



This preview shows how the CIELCh color 79, 72.131, 77.140 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, 72.131, 77.140 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, 72.131, 77.140

Background



This preview shows how black text looks on a background with the CIELCh color 79, 72.131, 77.140.



This preview shows how white text looks on a background with the CIELCh color 79, 72.131, 77.140.

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, 72.131, 77.140

Protanopia

79, 67.932, 95.018

Deuteranopia

79, 71.359, 81.860



Tritanopia
79, 31.738, 11.789

Trichromacy



Original Color
79, 72.131, 77.140

Protanomaly
79, 68.423, 88.198

Deuteranomaly
79, 71.491, 80.394

Tritanomaly
79, 39.539, 52.507

Monochromacy



Original Color
79, 72.131, 77.140

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 27.064, 83.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 72.131, 77.140 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 72.131, 77.140 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, 55) }
```

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

```
.border{ border-color:rgb(255, 182, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 72.131, 77.140 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, 55) }
```

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

```
.background{ background-color: rgb(255,  
182, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor