

Converting Colors

CIELCh(80, 56.555, 72.970)

Have a look what the booklet for
CIELCh(80, 56.555, 72.970) contains.

CIELCh(80, 56.659, 73.077)	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(80, 56.659, 73.077)

Conversions

Conversions Part 1

Format	Color
Hex	FFB960
RGB	255, 185, 96
RGB Percent	100%, 73%, 38%
CMY	0.0008, 0.2752, 0.6242
CMYK	0.00, 0.27, 0.62, 0.00
HSL	34°, 100%, 69%
HSV	34°, 62%, 100%
XYZ	60.5758, 56.6813, 18.7713
YIQ	195.7840, 70.2890, -12.8390

Conversions

Conversions Part 2

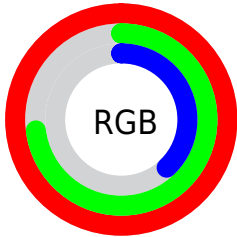
Format	Color
R _Y B	221, 255, 96
Decimal	16759136
CIE Lab	80.00, 16.49, 54.21
CIE LCh	80, 56.659, 73.077
Yxy	56.6813, 0.4453, 0.4167
Android (android.graphics.Color)	4294949216 (0xFFFFB960)
YUV	195.7840, -49.1935, 51.9324
Hunter-Lab	75.2870, 11.8687, 37.9181

Details

The CIELCh color **80, 56.659, 73.077** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 50.946, 275.178**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 46.690, 99.558**, and **60, 56.595, 73.262** is the 20% darker color. If you saturate the color by 10%, you get **77, 65.986, 71.480**, and if you desaturate by 10%, it is **83, 47.024, 74.555**.

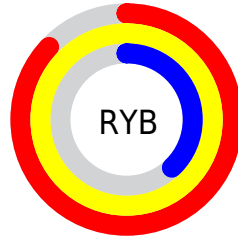
Distribution



Red (100%)

Green (73%)

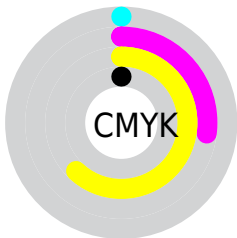
Blue (38%)



Red (87%)

Yellow (100%)

Blue (38%)

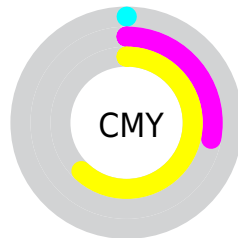


Cyan (0%)

Magenta (27%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (28%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 56.659, 73.077 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 80, 56.659, 73.077 by changing the saturation by 10% instead.

 80, 56.659, 73.077

 80, 56.659, 73.077

 100, 56.659,
73.077

 70, 56.659, 73.077

 60, 56.659, 73.077

 50, 56.659, 73.077

 40, 56.659, 73.077

 30, 56.659, 73.077

 20, 56.659, 73.077

 10, 56.659, 73.077

 0, 56.659, 73.077

 80, 56.659, 73.077

 80, 56.659, 73.077

77, 65.986, 71.480

83, 47.024, 74.555

74, 74.317, 69.613

86, 37.449, 75.968

72, 80.580, 67.220

89, 28.107, 77.344

70, 83.664, 64.966

92, 19.070, 78.687

96, 10.356, 79.989

99, 1.955, 81.113

100, 0.073,
208.531

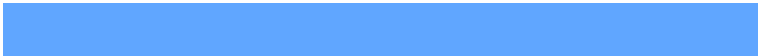
Harmonies

Complementary

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



80, 56.659, 73.077



67, 50.946, 275.178

Rectangle

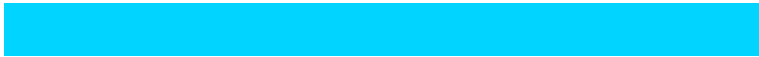
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 56.659, 73.077



80, 56.659, 123.077



80, 56.659, 253.077



80, 56.659, 303.077

Sweetspot

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



80, 56.658, 73.081



94, 16.090, 79.134



64, 66.847, 354.681



49, 11.134, 78.757



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 56.658, 73.081



76, 68.339, 71.027



97, 75.672, 106.873



51, 4.729, 80.352



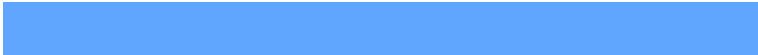
54, 67.284, 65.645



17, 27.129, 67.846

Inverse Universe

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



67, 50.946, 275.178



61, 61.365, 279.821



50, 91.477, 301.219



50, 4.665, 262.942



38, 65.540, 289.507



11, 26.426, 283.446

Previews

White Background



This preview shows how the CIELCh color 80, 56.659, 73.077 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 80, 56.659, 73.077 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 80, 56.659, 73.077

Background



This preview shows how black text looks on a background with the CIELCh color 80, 56.659, 73.077.



This preview shows how white text looks on a background with the CIELCh color 80, 56.659, 73.077.

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

80, 56.659, 73.077

Protanopia

80, 51.789, 95.497

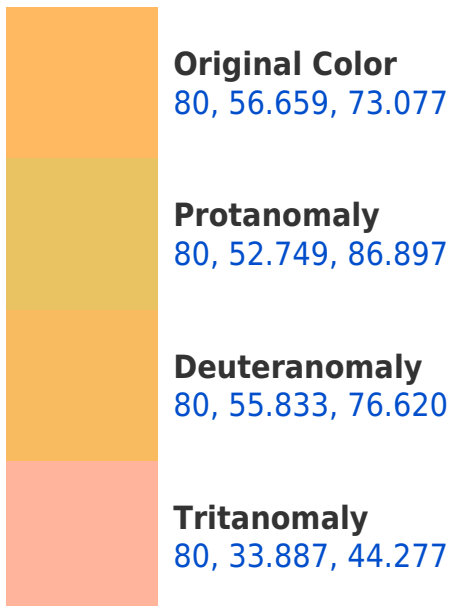
Deuteranopia

80, 55.244, 79.335



Tritanopia
80, 30.068, 11.014

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 56.659, 73.077 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, 185, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 96)  
}
```

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, 185, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 56.659, 73.077 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, 185, 96) }
```

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

```
.border{ border-color:rgb(255, 185, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 56.659, 73.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 96) }
```

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

```
.background{ background-color: rgb(255,  
185, 96) }
```

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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