

Converting Colors

CIELCh(81, 74.172, 80.497)

Have a look what the booklet for
CIELCh(81, 74.172, 80.497) contains.

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Color

CIELCh(81, 73.981, 80.830)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE34
RGB	255, 190, 52
RGB Percent	100%, 75%, 20%
CMY	0.0000, 0.2541, 0.7951
CMYK	0.00, 0.25, 0.80, 0.00
HSL	41°, 100%, 60%
HSV	41°, 80%, 100%
XYZ	60.4103, 58.4711, 11.3790
YIQ	193.7030, 83.0380, -29.1380

Conversions

Conversions Part 2

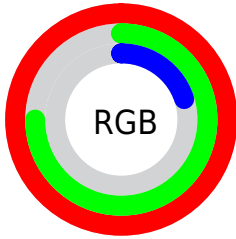
Format	Color
R_{YB}	148, 255, 52
Decimal	16760372
CIE _{Lab}	81.00, 11.79, 73.04
CIE _{LCh}	81, 73.981, 80.830
Yxy	58.4711, 0.4638, 0.4489
Android (android.graphics.Color)	4294950452 (0xFFFFBE34)
YUV	193.7030, -69.8596, 53.7575
Hunter-Lab	76.4664, 7.2030, 44.7035

Details

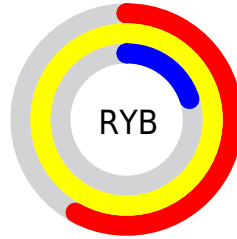
The CIELCh color **81, 73.981, 80.830** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **53, 79.493, 290.789**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 66.486, 101.761**, and **61, 67.283, 79.622** is the 20% darker color. If you saturate the color by 10%, you get **79, 79.574, 78.905**, and if you desaturate by 10%, it is **83, 66.139, 82.611**.

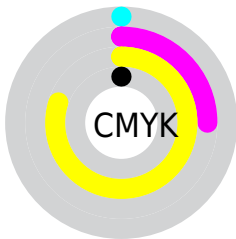
Distribution



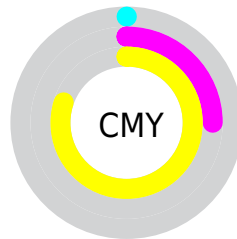
- Red (100%)
- Green (75%)
- Blue (20%)



- Red (58%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 73.981, 80.830 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 81, 73.981, 80.830 by changing the saturation by 10% instead.

81, 73.981, 80.830

81, 73.981, 80.830

100, 73.981,
80.830

71, 73.981, 80.830

61, 73.981, 80.830

51, 73.981, 80.830

41, 73.981, 80.830

31, 73.981, 80.830

21, 73.981, 80.830

11, 73.981, 80.830

1, 73.981, 80.830

0, 73.981, 80.830

81, 73.981, 80.830

81, 73.981, 80.830

79, 79.574, 78.905

83, 66.139, 82.611

77, 82.461, 76.469

85, 57.120, 84.160

77, 82.578, 76.348

88, 47.526, 85.623

90, 37.741, 87.033

92, 27.972, 88.401

95, 18.322, 89.726

98, 8.839, 90.999

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.



81, 73.981, 80.830



53, 79.493, 290.789

Rectangle

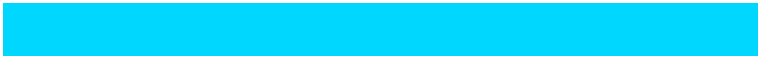
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 73.981, 80.830



81, 73.981, 130.830



81, 73.981, 260.830



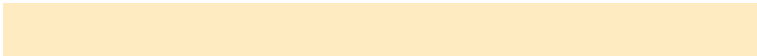
81, 73.981, 310.830

Sweetspot

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



81, 73.933, 80.905



94, 22.633, 89.137



57, 77.766, 9.017



49, 15.600, 88.663



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 73.933, 80.905



78, 81.427, 77.613



95, 90.900, 112.155



52, 5.283, 91.000



59, 66.545, 76.873



19, 28.286, 79.628

Inverse Universe

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



53, 79.493, 290.789



45, 96.603, 296.370



41, 115.706, 305.853



50, 5.289, 273.489



32, 80.708, 297.439



8, 32.387, 292.424

Previews

White Background



This preview shows how the CIELCh color 81, 73.981, 80.830 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 81, 73.981, 80.830 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 81, 73.981, 80.830

Background



This preview shows how black text looks on a background with the CIELCh color 81, 73.981, 80.830.



This preview shows how white text looks on a background with the CIELCh color 81, 73.981, 80.830.

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

81, 73.981, 80.830

Protanopia

81, 71.494, 95.313

Deuteranopia

81, 73.726, 81.870



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 73.981, 80.830

Protanomaly
81, 71.873, 89.937

Deuteranomaly
81, 73.918, 81.560

Tritanomaly
81, 37.703, 57.476

Monochromacy



Original Color
81, 73.981, 80.830

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 28.694, 88.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 73.981, 80.830 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, 190, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 52)  
}
```

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, 190, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 73.981, 80.830 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, 190, 52) }
```

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

```
.border{ border-color:rgb(255, 190, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 73.981, 80.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 52) }
```

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

```
.background{ background-color: rgb(255,  
190, 52) }
```

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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