

Converting Colors

CIELCh(81, 78.287, 81.161)

Have a look what the booklet for
CIELCh(81, 78.287, 81.161) contains.

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Color

CIELCh(81, 78.126, 81.622)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE26
RGB	255, 190, 38
RGB Percent	100%, 75%, 15%
CMY	0.0000, 0.2534, 0.8528
CMYK	0.00, 0.25, 0.85, 0.00
HSL	42°, 100%, 57%
HSV	42°, 85%, 100%
XYZ	60.2390, 58.4711, 9.9051
YIQ	192.1070, 87.5320, -33.4920

Conversions

Conversions Part 2

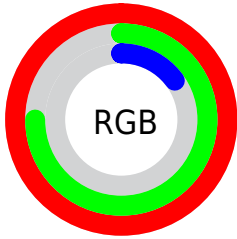
Format	Color
RYB	131, 255, 38
Decimal	16760358
CIELab	81.00, 11.38, 77.29
CIElCh	81, 78.126, 81.622
Yxy	58.4711, 0.4684, 0.4546
Android (android.graphics.Color)	4294950438 (0xFFFFBE26)
YUV	192.1070, -75.9748, 55.1572
Hunter-Lab	76.4664, 6.8031, 45.8463

Details

The CIELCh color **81, 78.126, 81.622** 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 **48, 88.905, 294.191**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 70.654, 101.609**, and **61, 67.283, 79.622** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.819, 79.621**, and if you desaturate by 10%, it is **83, 71.533, 83.533**.

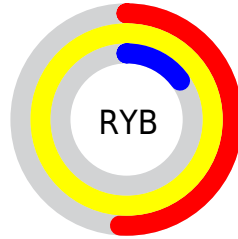
Distribution



Red (100%)

Green (75%)

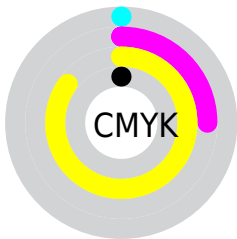
Blue (15%)



Red (51%)

Yellow (100%)

Blue (15%)

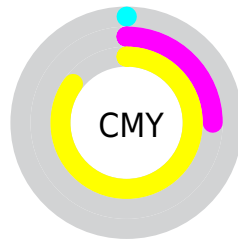


Cyan (0%)

Magenta (25%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 78.126, 81.622 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, 78.126, 81.622 by changing the saturation by 10% instead.

 81, 78.126, 81.622

 81, 78.126, 81.622

 100, 78.126,
81.622

 71, 78.126, 81.622

 61, 78.126, 81.622

 51, 78.126, 81.622

 41, 78.126, 81.622

 31, 78.126, 81.622

 21, 78.126, 81.622

 11, 78.126, 81.622

 1, 78.126, 81.622

 0, 78.126, 81.622

81, 78.126, 81.622

81, 78.126, 81.622

79, 81.819, 79.621

83, 71.533, 83.533

78, 82.799, 78.499

85, 63.211, 85.115

87, 53.898, 86.590

89, 44.135, 88.005

92, 34.233, 89.377

94, 24.360, 90.709

96, 14.601, 91.998

99, 4.995, 93.217

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, 78.126, 81.622



48, 88.905, 294.191

Rectangle

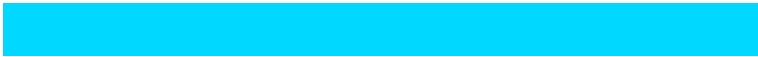
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 78.126, 81.622



81, 78.126, 131.622



81, 78.126, 261.622



81, 78.126, 311.622

Sweetspot

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



81, 78.042, 81.753



94, 25.068, 90.615



56, 81.451, 14.441



49, 17.037, 90.157



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, 78.042, 81.753



78, 82.799, 78.499



94, 94.792, 113.965



52, 5.403, 92.717



60, 66.745, 78.985



20, 28.625, 81.683

Inverse Universe

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



48, 88.905, 294.191



42, 105.465, 299.160



38, 121.847, 306.799



50, 5.422, 275.170



31, 83.467, 298.577



8, 33.499, 293.707

Previews

White Background



This preview shows how the CIELCh color 81, 78.126, 81.622 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, 78.126, 81.622 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, 78.126, 81.622

Background



This preview shows how black text looks on a background with the CIELCh color 81, 78.126, 81.622.



This preview shows how white text looks on a background with the CIELCh color 81, 78.126, 81.622.

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, 77.884, 81.579

Protanopia

81, 75.691, 95.052

Deuteranopia

81, 78.060, 82.314



Tritanopia
81, 28.828, 10.399

Trichromacy



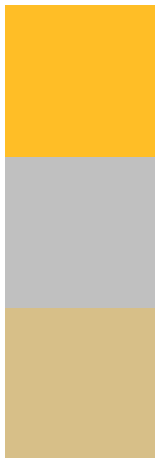
Original Color
81, 77.884, 81.579

Protanomaly
81, 75.941, 90.272

Deuteranomaly
81, 78.060, 82.314

Tritanomaly
80, 39.982, 59.641

Monochromacy



Original Color
81, 77.884, 81.579

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 30.891, 88.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 78.126, 81.622 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 78.126, 81.622 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, 38) }
```

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

```
.border{ border-color:rgb(255, 190, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 78.126, 81.622 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, 38) }
```

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

```
.background{ background-color: rgb(255,  
190, 38) }
```

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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