

Converting Colors

CIELCh(80, 79.933, 80.531)

Have a look what the booklet for
CIELCh(80, 79.933, 80.531) contains.

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Color

CIELCh(80, 79.856, 80.436)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA1C
RGB	255, 186, 28
RGB Percent	100%, 73%, 11%
CMY	0.0000, 0.2692, 0.8918
CMYK	0.00, 0.27, 0.89, 0.00
HSL	42°, 100%, 55%
HSV	42°, 89%, 100%
XYZ	59.2241, 56.6813, 8.8919
YIQ	188.6190, 91.8420, -34.5100

Conversions

Conversions Part 2

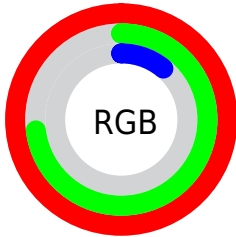
Format	Color
RYB	127, 255, 28
Decimal	16759324
CIELab	80.00, 13.27, 78.75
CIELCh	80, 79.856, 80.436
Yxy	56.6813, 0.4746, 0.4542
Android (android.graphics.Color)	4294949404 (0xFFFFBA1C)
YUV	188.6190, -79.1852, 58.2161
Hunter-Lab	75.2870, 8.6639, 45.6983

Details

The CIELCh color **80, 79.856, 80.436** 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 **47, 92.697, 295.296**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 72.021, 100.148**, and **60, 67.062, 77.671** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.559, 78.239**, and if you desaturate by 10%, it is **82, 74.197, 82.469**.

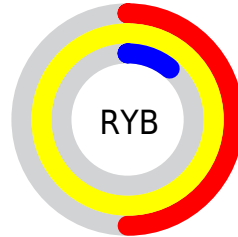
Distribution



Red (100%)

Green (73%)

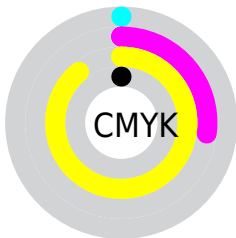
Blue (11%)



Red (50%)

Yellow (100%)

Blue (11%)

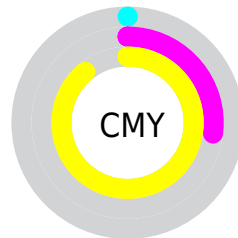


Cyan (0%)

Magenta (27%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 79.856, 80.436 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, 79.856, 80.436 by changing the saturation by 10% instead.

 80, 79.856, 80.436

 80, 79.856, 80.436

 100, 79.856,
80.436

 70, 79.856, 80.436

 60, 79.856, 80.436

 50, 79.856, 80.436

 40, 79.856, 80.436

 30, 79.856, 80.436

 20, 79.856, 80.436

 10, 79.856, 80.436

 0, 79.856, 80.436

 80, 79.856, 80.436

 80, 79.856, 80.436

78, 82.559, 78.239

82, 74.197, 82.469

78, 82.741, 78.044

84, 66.445, 84.126

86, 57.431, 85.644

88, 47.803, 87.085

91, 37.949, 88.478

93, 28.079, 89.830

95, 18.305, 91.141

98, 8.678, 92.399

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.



80, 79.856, 80.436



47, 92.697, 295.296

Rectangle

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



80, 79.856, 80.436



80, 79.856, 130.436



80, 79.856, 260.436



80, 79.856, 310.436

Sweetspot

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



80, 79.776, 80.553



93, 25.940, 90.119



55, 83.097, 14.907



49, 17.524, 89.665



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, 79.776, 80.553



78, 82.741, 78.044



94, 96.238, 113.267



52, 5.377, 92.359



60, 66.694, 78.538



20, 28.550, 81.252

Inverse Universe

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



47, 92.697, 295.296



42, 104.741, 298.932



37, 125.748, 306.811



50, 5.393, 274.820



31, 82.886, 298.344



8, 33.268, 293.449

Previews

White Background



This preview shows how the CIELCh color 80, 79.856, 80.436 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, 79.856, 80.436 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, 79.856, 80.436

Background



This preview shows how black text looks on a background with the CIELCh color 80, 79.856, 80.436.



This preview shows how white text looks on a background with the CIELCh color 80, 79.856, 80.436.

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, 79.664, 80.401

Protanopia

80, 77.058, 94.970

Deuteranopia

80, 79.492, 82.402



Tritanopia
80, 30.484, 11.212

Trichromacy



Original Color
80, 79.664, 80.401

Protanomaly
80, 77.209, 89.546

Deuteranomaly
80, 79.379, 81.689

Tritanomaly
79, 42.318, 59.085

Monochromacy



Original Color
80, 79.664, 80.401

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 32.624, 88.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 79.856, 80.436 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, 186, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 28)  
}
```

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, 186, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 79.856, 80.436 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, 186, 28) }
```

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

```
.border{ border-color:rgb(255, 186, 28) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 79.856, 80.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 28) }
```

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

```
.background{ background-color: rgb(255,  
186, 28) }
```

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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