

Converting Colors

CIELCh(80, 79.862, 80.870)

Have a look what the booklet for
CIELCh(80, 79.862, 80.870) contains.

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Color

CIELCh(80, 79.951, 80.826)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB1A
RGB	255, 187, 26
RGB Percent	100%, 73%, 10%
CMY	0.0014, 0.2678, 0.8961
CMYK	0.00, 0.27, 0.90, 0.00
HSL	42°, 100%, 55%
HSV	42°, 90%, 100%
XYZ	59.0075, 56.6813, 8.8360
YIQ	188.9780, 92.2090, -35.6550

Conversions

Conversions Part 2

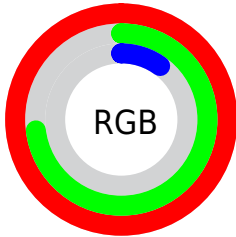
Format	Color
RYB	123, 255, 26
Decimal	16759578
CIELab	80.00, 12.75, 78.93
CIELCh	80, 79.951, 80.826
Yxy	56.6813, 0.4739, 0.4552
Android (android.graphics.Color)	4294949658 (0xFFFFBB1A)
YUV	188.9780, -80.3482, 57.9013
Hunter-Lab	75.2870, 8.1504, 45.7423

Details

The CIELCh color **80, 79.951, 80.826** 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 **46, 93.651, 295.666**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 72.766, 100.481**, and **60, 67.108, 78.160** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.615, 78.532**, and if you desaturate by 10%, it is **82, 74.521, 82.742**.

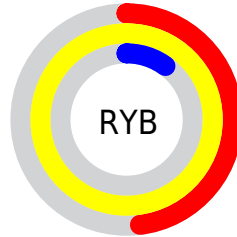
Distribution



Red (100%)

Green (73%)

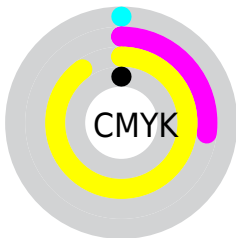
Blue (10%)



Red (48%)

Yellow (100%)

Blue (10%)

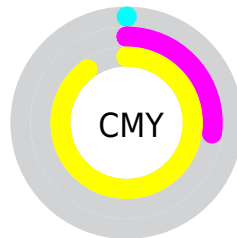


Cyan (0%)

Magenta (27%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 79.951, 80.826 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, 79.951, 80.826 by changing the saturation by 10% instead.

 80, 79.951, 80.826

 80, 79.951, 80.826

 100, 79.951,
80.826

 70, 79.951, 80.826

 60, 79.951, 80.826

 50, 79.951, 80.826

 40, 79.951, 80.826

 30, 79.951, 80.826

 20, 79.951, 80.826

 10, 79.951, 80.826

 0, 79.951, 80.826

 80, 79.951, 80.826

 80, 79.951, 80.826

78, 82.615, 78.532

82, 74.521, 82.742

78, 82.703, 78.438

84, 66.870, 84.396

86, 57.910, 85.910

88, 48.304, 87.349

90, 38.449, 88.738

93, 28.564, 90.088

95, 18.765, 91.398

97, 9.107, 92.656

100, 0.111,
218.965

Harmonies

Complementary

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



80, 79.951, 80.826



46, 93.651, 295.666

Rectangle

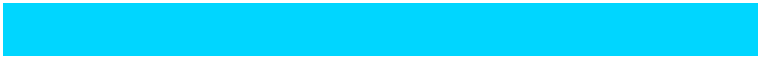
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 79.951, 80.826



80, 79.951, 130.826



80, 79.951, 260.826



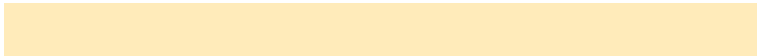
80, 79.951, 310.826

Sweetspot

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



80, 79.950, 80.829



93, 26.036, 90.433



55, 83.599, 16.600



49, 17.588, 89.979



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, 79.950, 80.829



78, 82.790, 78.436



94, 96.623, 114.162



52, 5.400, 92.667



60, 66.738, 78.922



20, 28.615, 81.623

Inverse Universe

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



46, 93.651, 295.666



42, 105.365, 299.128



37, 125.701, 307.015



50, 5.418, 275.121



31, 83.386, 298.545



8, 33.467, 293.671

Previews

White Background



This preview shows how the CIELCh color 80, 79.951, 80.826 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, 79.951, 80.826 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, 79.951, 80.826

Background



This preview shows how black text looks on a background with the CIELCh color 80, 79.951, 80.826.



This preview shows how white text looks on a background with the CIELCh color 80, 79.951, 80.826.

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, 80.137, 80.859

Protanopia

80, 77.267, 94.972

Deuteranopia

80, 79.673, 82.431



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 80.137, 80.859

Protanomaly
80, 77.611, 89.945

Deuteranomaly
80, 79.674, 82.111

Tritanomaly
80, 42.309, 59.901

Monochromacy



Original Color
80, 80.137, 80.859

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, 79.951, 80.826 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, 187, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 26)  
}
```

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, 187, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 79.951, 80.826 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, 187, 26) }
```

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

```
.border{ border-color:rgb(255, 187, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 79.951, 80.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 26) }
```

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

```
.background{ background-color: rgb(255,  
187, 26) }
```

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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