

Converting Colors

CIELCh(80, 81.481, 80.582)

Have a look what the booklet for
CIELCh(80, 81.481, 80.582) contains.

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Color

CIELCh(80, 81.334, 80.703)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA13
RGB	255, 186, 19
RGB Percent	100%, 73%, 7%
CMY	0.0000, 0.2690, 0.9259
CMYK	0.00, 0.27, 0.93, 0.00
HSL	43°, 100%, 54%
HSV	43°, 93%, 100%
XYZ	59.1707, 56.6813, 8.4329
YIQ	187.5930, 94.7310, -37.3090

Conversions

Conversions Part 2

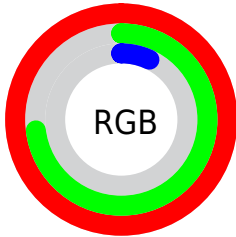
Format	Color
R_{YB}	117, 255, 19
Decimal	16759315
CIE _{Lab}	80.00, 13.14, 80.27
CIE _{LCh}	80, 81.334, 80.703
Yxy	56.6813, 0.4761, 0.4561
Android (android.graphics.Color)	4294949395 (0xFFFFBA13)
YUV	187.5930, -83.1163, 59.1159
Hunter-Lab	75.2870, 8.5373, 46.0598

Details

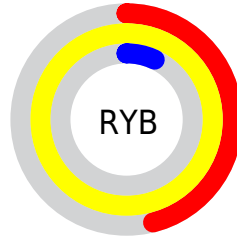
The CIELCh color **80, 81.334, 80.703** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **45, 98.215, 297.082**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 73.580, 100.111**, and **60, 67.062, 77.671** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.890, 79.130**, and if you desaturate by 10%, it is **82, 76.713, 82.821**.

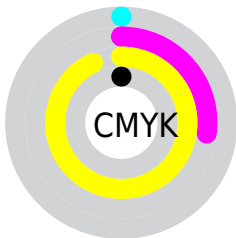
Distribution



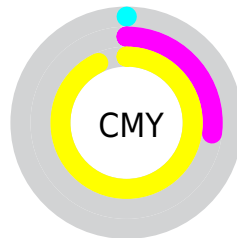
- Red (100%)
- Green (73%)
- Blue (7%)



- Red (46%)
- Yellow (100%)
- Blue (7%)



- Cyan (0%)
- Magenta (27%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 81.334, 80.703 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, 81.334, 80.703 by changing the saturation by 10% instead.

 80, 81.334, 80.703

 80, 81.334, 80.703

 100, 81.334,
80.703

 70, 81.334, 80.703

 60, 81.334, 80.703

 50, 81.334, 80.703

 40, 81.334, 80.703

 30, 81.334, 80.703

 20, 81.334, 80.703

 10, 81.334, 80.703

 0, 81.334, 80.703

 80, 81.334, 80.703

 80, 81.334, 80.703

79, 82.890, 79.130

82, 76.713, 82.821

84, 69.661, 84.515

86, 61.020, 86.047

88, 51.540, 87.494

90, 41.694, 88.888

92, 31.751, 90.243

95, 21.856, 91.559

97, 12.079, 92.829

99, 2.455, 93.982

Harmonies

Complementary

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



80, 81.334, 80.703



45, 98.215, 297.082

Rectangle

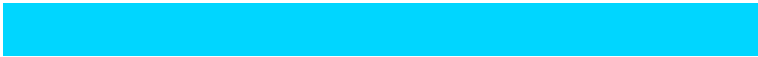
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 81.334, 80.703



80, 81.334, 130.703



80, 81.334, 260.703



80, 81.334, 310.703

Sweetspot

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



80, 81.243, 80.836



93, 27.199, 90.852



55, 85.088, 18.201



49, 18.830, 90.279



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, 81.243, 80.836



79, 82.890, 79.130



94, 97.768, 114.345



52, 5.440, 93.208



60, 66.825, 79.604



20, 28.732, 82.278

Inverse Universe

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



45, 98.215, 297.082



41, 106.464, 299.468



36, 128.079, 307.098



50, 5.462, 275.650



31, 84.269, 298.895



7, 33.816, 294.051

Previews

White Background



This preview shows how the CIELCh color 80, 81.334, 80.703 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, 81.334, 80.703 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, 81.334, 80.703

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.334, 80.703.



This preview shows how white text looks on a background with the CIELCh color 80, 81.334, 80.703.

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, 81.192, 80.678

Protanopia

80, 78.401, 94.985

Deuteranopia

80, 81.053, 82.646



Tritanopia
80, 30.484, 11.212

Trichromacy



Original Color
80, 81.192, 80.678

Protanomaly
80, 78.690, 89.658

Deuteranomaly
80, 80.999, 81.957

Tritanomaly
79, 43.480, 60.406

Monochromacy



Original Color
80, 81.192, 80.678

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 33.653, 89.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.334, 80.703 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.334, 80.703 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, 19) }
```

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

```
.border{ border-color:rgb(255, 186, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 19); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 19); box-shadow:4px 4px 4px 4px rgb(255, 186, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.334, 80.703 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, 19) }
```

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

```
.background{ background-color: rgb(255,  
186, 19) }
```

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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