

Converting Colors

CIELCh(80, 73.729, 78.856)

Have a look what the booklet for
CIELCh(80, 73.729, 78.856) contains.

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Color

CIELCh(80, 73.503, 79.123)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA34
RGB	255, 186, 52
RGB Percent	100%, 73%, 20%
CMY	0.0000, 0.2702, 0.7957
CMYK	0.00, 0.27, 0.80, 0.00
HSL	40°, 100%, 60%
HSV	40°, 80%, 100%
XYZ	59.4749, 56.6813, 11.0662
YIQ	191.3550, 84.1380, -27.0460

Conversions

Conversions Part 2

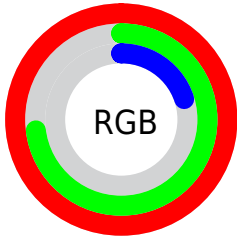
Format	Color
RYB	157, 255, 52
Decimal	16759348
CIELab	80.00, 13.87, 72.18
CIElCh	80, 73.503, 79.123
Yxy	56.6813, 0.4675, 0.4455
Android (android.graphics.Color)	4294949428 (0xFFFFBA34)
YUV	191.3550, -68.7020, 55.8167
Hunter-Lab	75.2870, 9.2586, 43.9860

Details

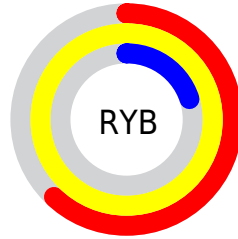
The CIELCh color **80, 73.503, 79.123** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **54, 77.067, 289.497**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 65.417, 100.271**, and **60, 67.062, 77.671** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.295, 77.082**, and if you desaturate by 10%, it is **82, 65.572, 80.903**.

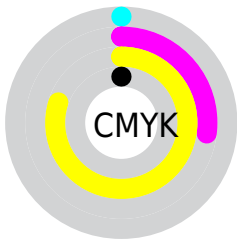
Distribution



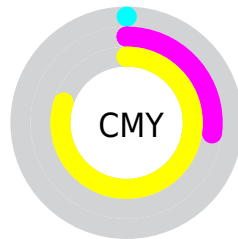
- Red (100%)
- Green (73%)
- Blue (20%)



- Red (62%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 73.503, 79.123 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, 73.503, 79.123 by changing the saturation by 10% instead.

 80, 73.503, 79.123

 80, 73.503, 79.123

 100, 73.503,
79.123

 70, 73.503, 79.123

 60, 73.503, 79.123

 50, 73.503, 79.123

 40, 73.503, 79.123

 30, 73.503, 79.123

 20, 73.503, 79.123

 10, 73.503, 79.123

 0, 73.503, 79.123

 80, 73.503, 79.123

 80, 73.503, 79.123

78, 79.295, 77.082

82, 65.572, 80.903

76, 82.383, 74.528

85, 56.506, 82.477

76, 82.497, 74.415

87, 46.929, 83.958

89, 37.212, 85.382

92, 27.549, 86.763

95, 18.036, 88.101

97, 8.716, 89.384

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, 73.503, 79.123



54, 77.067, 289.497

Rectangle

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



80, 73.503, 79.123



80, 73.503, 129.123



80, 73.503, 259.123



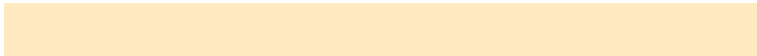
80, 73.503, 309.123

Sweetspot

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



80, 73.481, 79.155



94, 22.230, 87.514



57, 77.766, 7.632



49, 15.330, 87.035



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, 73.481, 79.155



77, 81.238, 75.743



95, 90.709, 111.308



52, 5.179, 89.392



58, 66.456, 74.973



19, 28.012, 77.742

Inverse Universe

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



54, 77.067, 289.497



46, 93.567, 295.225



40, 115.963, 305.624



50, 5.174, 271.912



33, 78.198, 296.336



8, 31.365, 291.144

Previews

White Background



This preview shows how the CIELCh color 80, 73.503, 79.123 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, 73.503, 79.123 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, 73.503, 79.123

Background



This preview shows how black text looks on a background with the CIELCh color 80, 73.503, 79.123.



This preview shows how white text looks on a background with the CIELCh color 80, 73.503, 79.123.

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, 73.503, 79.123

Protanopia

80, 70.408, 95.188

Deuteranopia

80, 73.186, 82.015



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 73.503, 79.123

Protanomaly
80, 70.715, 88.952

Deuteranomaly
80, 73.438, 80.965

Tritanomaly
80, 38.936, 55.473

Monochromacy



Original Color
80, 73.503, 79.123

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 28.116, 86.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 73.503, 79.123 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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, 186, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 73.503, 79.123 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, 52) }
```

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

```
.border{ border-color:rgb(255, 186, 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, 186, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 73.503, 79.123 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, 52) }
```

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

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