

Converting Colors

CIELCh(80, 73.696, 79.440)

Have a look what the booklet for
CIELCh(80, 73.696, 79.440) contains.

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Color

CIELCh(80, 73.814, 79.194)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA33
RGB	255, 186, 51
RGB Percent	100%, 73%, 20%
CMY	0.0000, 0.2702, 0.7995
CMYK	0.00, 0.27, 0.80, 0.00
HSL	40°, 100%, 60%
HSV	40°, 80%, 100%
XYZ	59.4620, 56.6813, 10.9519
YIQ	191.2410, 84.4590, -27.3570

Conversions

Conversions Part 2

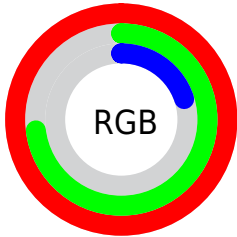
Format	Color
RYB	155, 255, 51
Decimal	16759347
CIELab	80.00, 13.84, 72.51
CIELCh	80, 73.814, 79.194
Yxy	56.6813, 0.4679, 0.4460
Android (android.graphics.Color)	4294949427 (0xFFFFBA33)
YUV	191.2410, -69.1388, 55.9166
Hunter-Lab	75.2870, 9.2278, 44.0761

Details

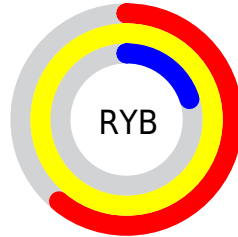
The CIELCh color **80, 73.814, 79.194** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **53, 77.687, 289.752**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 65.845, 100.265**, and **60, 67.062, 77.671** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.484, 77.147**, and if you desaturate by 10%, it is **82, 65.952, 80.985**.

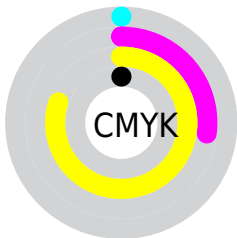
Distribution



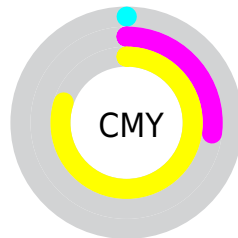
- Red (100%)
- Green (73%)
- Blue (20%)



- Red (61%)
- 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, 73.814, 79.194 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, 73.814, 79.194 by changing the saturation by 10% instead.

 80, 73.814, 79.194

 80, 73.814, 79.194

 100, 73.814,
79.194

 70, 73.814, 79.194

 60, 73.814, 79.194

 50, 73.814, 79.194

 40, 73.814, 79.194

 30, 73.814, 79.194

 20, 73.814, 79.194

 10, 73.814, 79.194

 0, 73.814, 79.194

 80, 73.814, 79.194

 80, 73.814, 79.194

78, 79.484, 77.147

82, 65.952, 80.985

76, 82.487, 74.591

85, 56.923, 82.562

76, 82.500, 74.579

87, 47.356, 84.044

89, 37.634, 85.470

92, 27.958, 86.851

95, 18.428, 88.190

97, 9.086, 89.475

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, 73.814, 79.194



53, 77.687, 289.752

Rectangle

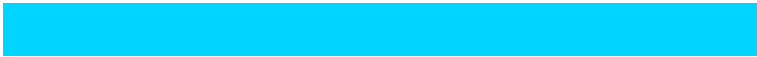
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 73.814, 79.194



80, 73.814, 129.194



80, 73.814, 259.194



80, 73.814, 309.194

Sweetspot

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



80, 73.789, 79.231



94, 22.264, 87.654



57, 77.990, 7.786



49, 15.352, 87.175



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, 73.789, 79.231



77, 81.504, 75.636



95, 90.955, 111.308



52, 5.188, 89.531



58, 66.461, 75.134



19, 28.034, 77.903

Inverse Universe

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



53, 77.687, 289.752



46, 94.892, 295.688



40, 116.444, 305.667



50, 5.184, 272.048



33, 78.412, 296.433



8, 31.451, 291.255

Previews

White Background



This preview shows how the CIELCh color 80, 73.814, 79.194 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, 73.814, 79.194 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, 73.814, 79.194

Background



This preview shows how black text looks on a background with the CIELCh color 80, 73.814, 79.194.



This preview shows how white text looks on a background with the CIELCh color 80, 73.814, 79.194.

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, 73.814, 79.194

Protanopia

80, 70.737, 95.196

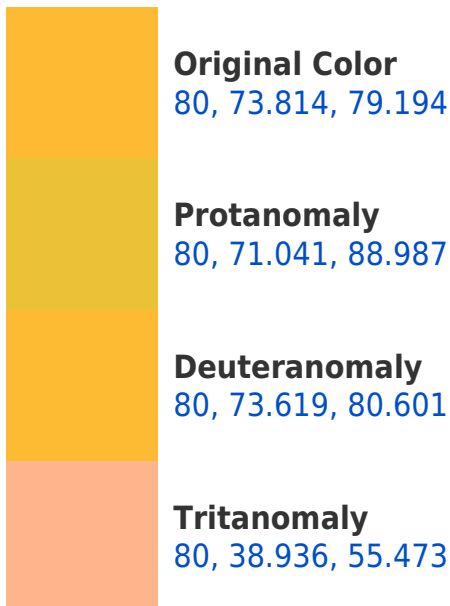
Deuteranopia

80, 73.356, 81.648



Tritanopia
80, 30.068, 11.014

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 73.814, 79.194 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 73.814, 79.194 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, 51) }
```

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

```
.border{ border-color:rgb(255, 186, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 73.814, 79.194 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
186, 51) }
```

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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