

Converting Colors

CIELCh(81, 68.340, 80.124)

Have a look what the booklet for
CIELCh(81, 68.340, 80.124) contains.

CIELCh(81, 68.310, 79.907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 68.310, 79.907)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FEBE44</code>
RGB	<code>254, 190, 68</code>
RGB Percent	<code>100%, 75%, 27%</code>
CMY	<code>0.0029, 0.2539, 0.7324</code>
CMYK	<code>0.00, 0.25, 0.73, 0.00</code>
HSL	<code>39°, 99%, 63%</code>
HSV	<code>39°, 73%, 100%</code>
XYZ	<code>60.4867, 58.4711, 13.6057</code>
YIQ	<code>195.2280, 77.3060, -24.3740</code>

Conversions

Conversions Part 2

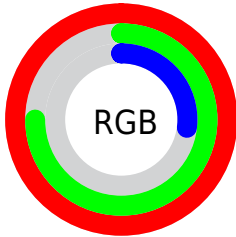
Format	Color
RYB	166, 254, 68
Decimal	16694852
CIELab	81.00, 11.97, 67.25
CIELCh	81, 68.310, 79.907
Yxy	58.4711, 0.4563, 0.4411
Android (android.graphics.Color)	4294884932 (0xFFFEBE44)
YUV	195.2280, -62.7234, 51.5430
Hunter-Lab	76.4664, 7.3814, 42.9770

Details

The CIELCh color **81, 68.310, 79.907** 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 **57, 69.670, 286.864**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 60.793, 101.935**, and **61, 67.283, 79.622** is the 20% darker color. If you saturate the color by 10%, you get **79, 75.606, 78.058**, and if you desaturate by 10%, it is **83, 59.568, 81.539**.

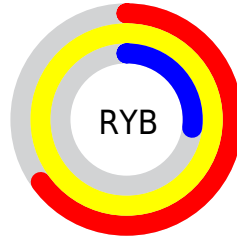
Distribution



Red (100%)

Green (75%)

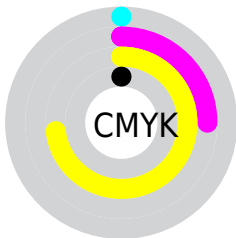
Blue (27%)



Red (65%)

Yellow (100%)

Blue (27%)

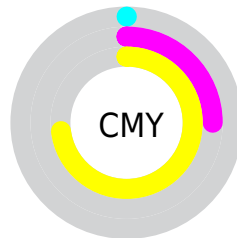


Cyan (0%)

Magenta (25%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 68.310, 79.907 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 81, 68.310, 79.907 by changing the saturation by 10% instead.

 81, 68.310, 79.907

 81, 68.310, 79.907

 100, 68.310,
79.907

 71, 68.310, 79.907

 61, 68.310, 79.907

 51, 68.310, 79.907

 41, 68.310, 79.907

 31, 68.310, 79.907

 21, 68.310, 79.907

 11, 68.310, 79.907

 1, 68.310, 79.907

 0, 68.310, 79.907

81, 68.310, 79.907

81, 68.310, 79.907

79, 75.606, 78.058

83, 59.568, 81.539

77, 80.466, 75.800

86, 50.139, 83.051

75, 82.315, 73.982

88, 40.475, 84.495

91, 30.819, 85.894

93, 21.296, 87.249

96, 11.961, 88.557

99, 2.831, 89.751

100, 0.254,
201.997

Harmonies

Complementary

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



81, 68.310, 79.907



57, 69.670, 286.864

Rectangle

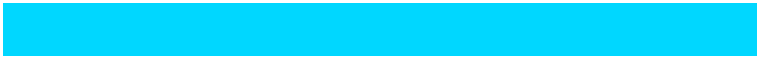
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 68.310, 79.907



81, 68.310, 129.907



81, 68.310, 259.907



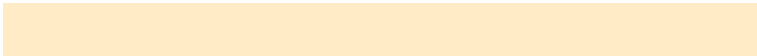
81, 68.310, 309.907

Sweetspot

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



81, 68.309, 79.910



94, 20.251, 87.403



59, 73.447, 5.253



49, 13.648, 87.041



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 68.309, 79.910



78, 78.500, 77.027



95, 85.875, 111.365



52, 5.156, 89.018



58, 66.448, 74.542



19, 27.955, 77.308

Inverse Universe

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



57, 69.670, 286.864



50, 85.430, 292.342



44, 107.090, 304.823



50, 5.148, 271.544



33, 77.625, 296.075



8, 31.134, 290.842

Previews

White Background



This preview shows how the CIELCh color 81, 68.310, 79.907 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 81, 68.310, 79.907 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 81, 68.310, 79.907

Background



This preview shows how black text looks on a background with the CIELCh color 81, 68.310, 79.907.



This preview shows how white text looks on a background with the CIELCh color 81, 68.310, 79.907.

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

81, 68.310, 79.907

Protanopia

81, 65.675, 95.517

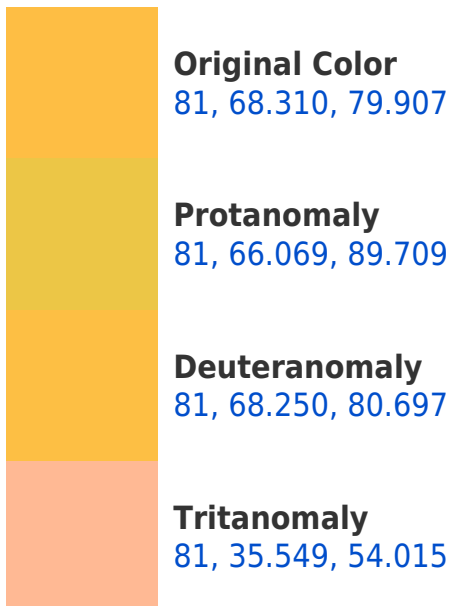
Deuteranopia

81, 68.048, 81.027

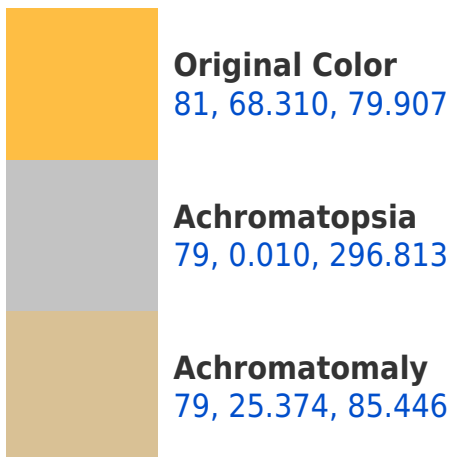


Tritanopia
81, 28.417, 10.186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 68.310, 79.907 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(254, 190, 68)` looks like.

```
.text, #text, p{  
    color:rgb(254, 190, 68)  
}
```

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(254, 190, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 190, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 68.310, 79.907 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(254, 190, 68) }
```

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

```
.border{ border-color:rgb(254, 190, 68) }
```

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

Here you see how a box with a 4 pixel rgb(254, 190, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 190, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 190, 68);  
box-shadow:4px 4px 4px 4px rgb(254, 190,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 68.310, 79.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 190, 68) }
```

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

```
.background{ background-color: rgb(254,  
190, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor