

Converting Colors

CIELCh(81, 68.913, 80.205)

Have a look what the booklet for
CIELCh(81, 68.913, 80.205) contains.

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Color

CIELCh(81, 68.678, 79.998)

Conversions

Conversions Part 1

Format	Color
Hex	FEBE43
RGB	254, 190, 67
RGB Percent	100%, 75%, 26%
CMY	0.0028, 0.2539, 0.7362
CMYK	0.00, 0.25, 0.74, 0.00
HSL	39°, 99%, 63%
HSV	39°, 74%, 100%
XYZ	60.4686, 58.4711, 13.4506
YIQ	195.1140, 77.6270, -24.6850

Conversions

Conversions Part 2

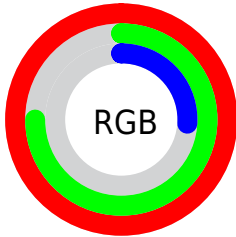
Format	Color
RYB	164, 254, 67
Decimal	16694851
CIELab	81.00, 11.93, 67.63
CIELCh	81, 68.678, 79.998
Yxy	58.4711, 0.4567, 0.4417
Android (android.graphics.Color)	4294884931 (0xFFFEBE43)
YUV	195.1140, -63.1602, 51.6430
Hunter-Lab	76.4664, 7.3391, 43.0972

Details

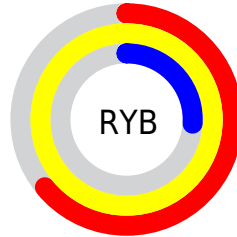
The CIELCh color **81, 68.678, 79.998** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **57, 70.275, 287.130**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 61.241, 101.923**, and **61, 67.283, 79.622** is the 20% darker color. If you saturate the color by 10%, you get **79, 75.884, 78.141**, and if you desaturate by 10%, it is **83, 59.983, 81.634**.

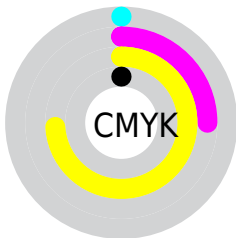
Distribution



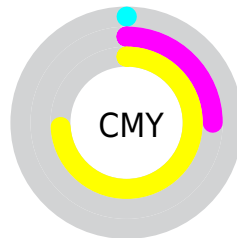
- Red (100%)
- Green (75%)
- Blue (26%)



- Red (64%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (25%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 68.678, 79.998 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, 68.678, 79.998 by changing the saturation by 10% instead.

 81, 68.678, 79.998

 81, 68.678, 79.998

 100, 68.678,
79.998

 71, 68.678, 79.998

 61, 68.678, 79.998

 51, 68.678, 79.998

 41, 68.678, 79.998

 31, 68.678, 79.998

 21, 68.678, 79.998

 11, 68.678, 79.998

 1, 68.678, 79.998

 0, 68.678, 79.998

81, 68.678, 79.998

81, 68.678, 79.998

79, 75.884, 78.141

83, 59.983, 81.634

77, 80.612, 75.870

86, 50.572, 83.148

75, 82.320, 74.157

88, 40.906, 84.594

91, 31.239, 85.992

93, 21.698, 87.349

96, 12.341, 88.658

99, 3.187, 89.864

100, 0.247,
202.074

Harmonies

Complementary

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



81, 68.678, 79.998



57, 70.275, 287.130

Rectangle

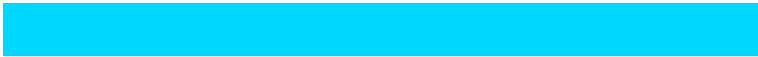
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 68.678, 79.998



81, 68.678, 129.998



81, 68.678, 259.998



81, 68.678, 309.998

Sweetspot

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



81, 68.677, 80.001



94, 20.284, 87.554



59, 73.724, 5.386



49, 13.670, 87.193



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, 68.677, 80.001



78, 78.525, 77.191



95, 86.188, 111.358



52, 5.165, 89.169



58, 66.451, 74.715



19, 27.977, 77.482

Inverse Universe

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



57, 70.275, 287.130



50, 85.685, 292.458



44, 107.645, 304.875



50, 5.159, 271.692



33, 77.854, 296.180



8, 31.226, 290.963

Previews

White Background



This preview shows how the CIELCh color 81, 68.678, 79.998 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, 68.678, 79.998 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, 68.678, 79.998

Background



This preview shows how black text looks on a background with the CIELCh color 81, 68.678, 79.998.



This preview shows how white text looks on a background with the CIELCh color 81, 68.678, 79.998.

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, 68.678, 79.998

Protanopia

81, 66.062, 95.530

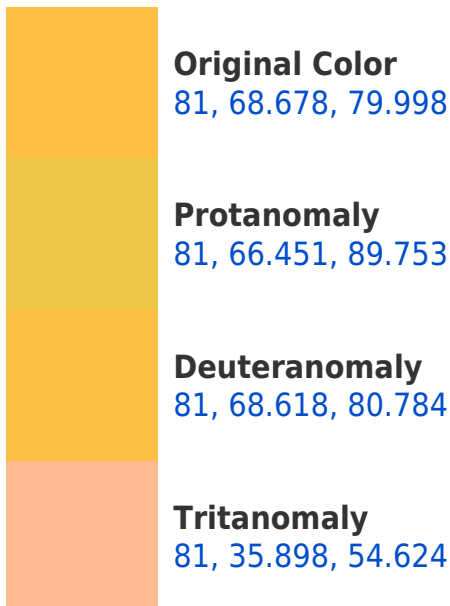
Deuteranopia

81, 68.418, 81.112

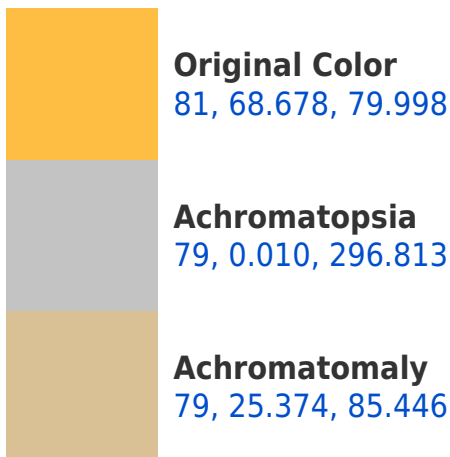


Tritanopia
81, 28.417, 10.186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 68.678, 79.998 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(254, 190, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 190, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 68.678, 79.998 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, 67) }
```

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

```
.border{ border-color:rgb(254, 190, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 190, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 190, 67);  
box-shadow:4px 4px 4px 4px rgb(254, 190,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 68.678, 79.998 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, 67) }
```

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

```
.background{ background-color: rgb(254,  
190, 67) }
```

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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