

Converting Colors

CIELCh(81, 48.665, 79.810)

Have a look what the booklet for
CIELCh(81, 48.665, 79.810) contains.

CIELCh(81, 48.420, 79.904)	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, 48.420, 79.904)

Conversions

Conversions Part 1

Format	Color
Hex	F3C16F
RGB	243, 193, 111
RGB Percent	95%, 76%, 44%
CMY	0.0462, 0.2423, 0.5640
CMYK	0.00, 0.21, 0.54, 0.05
HSL	37°, 85%, 69%
HSV	37°, 54%, 95%
XYZ	59.0289, 58.4711, 23.2675
YIQ	198.6020, 56.1220, -14.9020

Conversions

Conversions Part 2

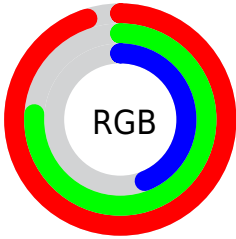
Format	Color
R _Y B	191, 243, 111
Decimal	15974767
CIE Lab	81.00, 8.49, 47.67
CIE LCh	81, 48.420, 79.904
Yxy	58.4711, 0.4193, 0.4154
Android (android.graphics.Color)	4294164847 (0xFFFF3C16F)
YUV	198.6020, -43.1878, 38.9370
Hunter-Lab	76.4664, 3.9784, 35.4855

Details

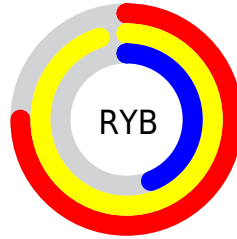
The CIELCh color **81, 48.420, 79.904** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 46.574, 278.015**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 42.765, 103.687**, and **61, 48.552, 80.163** is the 20% darker color. If you saturate the color by 10%, you get **78, 57.523, 78.378**, and if you desaturate by 10%, it is **84, 39.156, 81.365**.

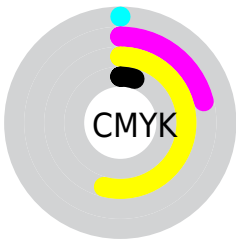
Distribution



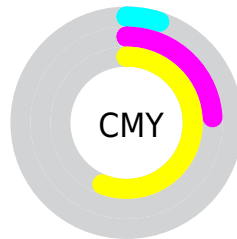
- Red (95%)
- Green (76%)
- Blue (44%)



- Red (75%)
- Yellow (95%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (54%)
- Black (5%)



- Cyan (5%)
- Magenta (24%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 48.420, 79.904 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, 48.420, 79.904 by changing the saturation by 10% instead.

 81, 48.420, 79.904

 81, 48.420, 79.904

 100, 48.420,
79.904

 71, 48.420, 79.904

 61, 48.420, 79.904

 51, 48.420, 79.904

 41, 48.420, 79.904

 31, 48.420, 79.904

 21, 48.420, 79.904

 11, 48.420, 79.904

 1, 48.420, 79.904

 0, 48.420, 79.904

81, 48.420, 79.904

81, 48.420, 79.904

78, 57.523, 78.378

84, 39.156, 81.365

76, 66.027, 76.711

86, 29.959, 82.773

74, 73.183, 74.778

89, 20.941, 84.140

72, 77.996, 72.356

92, 12.146, 85.462

70, 79.739, 70.755

95, 3.586, 86.690

98, 3.773, 261.651

99, 4.068, 199.310

Harmonies

Complementary

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



81, 48.420, 79.904



66, 46.574, 278.015

Rectangle

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



81, 48.420, 79.904



81, 48.420, 129.904



81, 48.420, 259.904



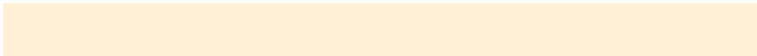
81, 48.420, 309.904

Sweetspot

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



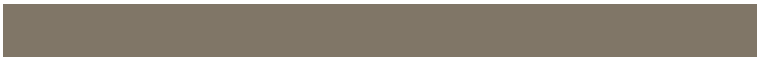
81, 48.420, 79.908



95, 14.173, 85.234



64, 55.748, 357.623



50, 9.597, 84.963



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, 48.420, 79.908



82, 60.432, 78.238



93, 65.021, 110.590



50, 4.824, 86.072



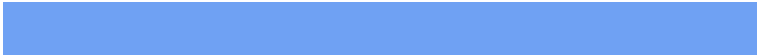
55, 65.201, 71.346



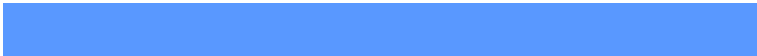
17, 25.237, 73.943

Inverse Universe

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



66, 46.574, 278.015



63, 58.358, 281.430



54, 75.585, 301.211



48, 4.798, 268.627



34, 71.646, 293.873



8, 27.393, 287.696

Previews

White Background



This preview shows how the CIELCh color 81, 48.420, 79.904 looks on a white background.

Color Contrast Check

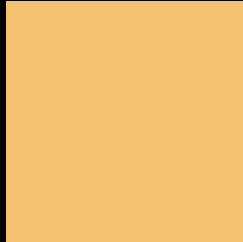
Large Text (above 18pt) WCAG AA × Fail

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, 48.420, 79.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

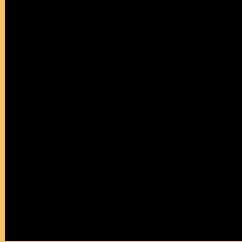
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 48.420, 79.904

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.420, 79.904.



This preview shows how white text looks on a background with the CIELCh color 81, 48.420, 79.904.

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, 48.420, 79.904

Protanopia

81, 45.945, 95.473

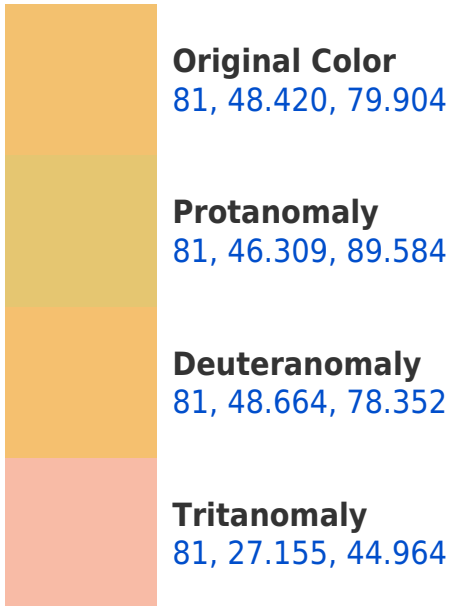
Deuteranopia

81, 48.889, 77.918



Tritanopia
81, 26.719, 5.775

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.420, 79.904 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(243, 193, 111)` looks like.

```
.text, #text, p{  
    color:rgb(243, 193, 111)  
}
```

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(243, 193, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 193, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.420, 79.904 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(243, 193, 111) }
```

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

```
.border{ border-color:rgb(243, 193, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 193, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 193, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 193, 111);  
box-shadow:4px 4px 4px 4px rgb(243, 193,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.420, 79.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 193, 111) }
```

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

```
.background{ background-color: rgb(243,  
193, 111) }
```

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