

Converting Colors

CIELCh(81, 54.559, 74.236)

Have a look what the booklet for
CIELCh(81, 54.559, 74.236) contains.

CIELCh(81, 54.563, 74.257)	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, 54.563, 74.257)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD66
RGB	255, 189, 102
RGB Percent	100%, 74%, 40%
CMY	0.0010, 0.2596, 0.6008
CMYK	0.00, 0.26, 0.60, 0.00
HSL	34°, 100%, 70%
HSV	34°, 60%, 100%
XYZ	61.6899, 58.4711, 20.5516
YIQ	198.8160, 67.2630, -13.0650

Conversions

Conversions Part 2

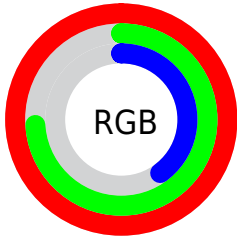
Format	Color
R _Y B	218, 255, 102
Decimal	16760166
CIE Lab	81.00, 14.80, 52.52
CIE LCh	81, 54.563, 74.257
Yxy	58.4711, 0.4384, 0.4155
Android (android.graphics.Color)	4294950246 (0xFFFFBD66)
YUV	198.8160, -47.7303, 49.2734
Hunter-Lab	76.4664, 10.1902, 37.5913

Details

The CIELCh color **81, 54.563, 74.257** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **68, 49.671, 275.229**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 45.426, 101.579**, and **61, 54.493, 74.193** is the 20% darker color. If you saturate the color by 10%, you get **78, 63.962, 72.686**, and if you desaturate by 10%, it is **84, 44.937, 75.729**.

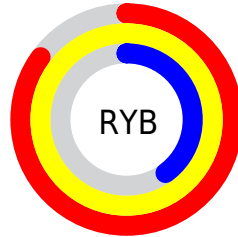
Distribution



Red (100%)

Green (74%)

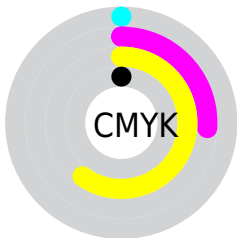
Blue (40%)



Red (85%)

Yellow (100%)

Blue (40%)

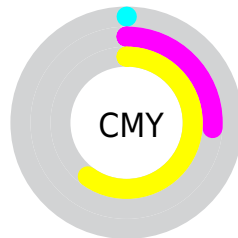


Cyan (0%)

Magenta (26%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 54.563, 74.257 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, 54.563, 74.257 by changing the saturation by 10% instead.

 81, 54.563, 74.257

 81, 54.563, 74.257

 100, 54.563,
74.257

 71, 54.563, 74.257

 61, 54.563, 74.257

 51, 54.563, 74.257

 41, 54.563, 74.257

 31, 54.563, 74.257

 21, 54.563, 74.257

 11, 54.563, 74.257

 1, 54.563, 74.257

 0, 54.563, 74.257

81, 54.563, 74.257

81, 54.563, 74.257

78, 63.962, 72.686

84, 44.937, 75.729

75, 72.527, 70.889

87, 35.401, 77.141

73, 79.266, 68.645

90, 26.104, 78.517

70, 83.445, 65.772

93, 17.104, 79.859

97, 8.415, 81.151

100, 0.026, 67.567

100, 0.084,
207.316

Harmonies

Complementary

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



81, 54.563, 74.257



68, 49.671, 275.229

Rectangle

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



81, 54.563, 74.257



81, 54.563, 124.257



81, 54.563, 254.257



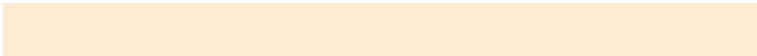
81, 54.563, 304.257

Sweetspot

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



81, 54.563, 74.261



94, 15.317, 80.127



65, 64.365, 355.339



49, 10.700, 79.743



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, 54.563, 74.261



78, 65.781, 72.356



97, 73.362, 107.836



51, 4.763, 81.218



54, 67.129, 66.443



17, 27.173, 68.739

Inverse Universe

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



68, 49.671, 275.229



62, 59.730, 279.469



52, 87.692, 301.099



50, 4.705, 263.809



38, 66.644, 290.209



10, 26.845, 284.223

Previews

White Background



This preview shows how the CIELCh color 81, 54.563, 74.257 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, 54.563, 74.257 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, 54.563, 74.257

Background



This preview shows how black text looks on a background with the CIELCh color 81, 54.563, 74.257.



This preview shows how white text looks on a background with the CIELCh color 81, 54.563, 74.257.

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, 54.563, 74.257

Protanopia

81, 50.210, 95.933

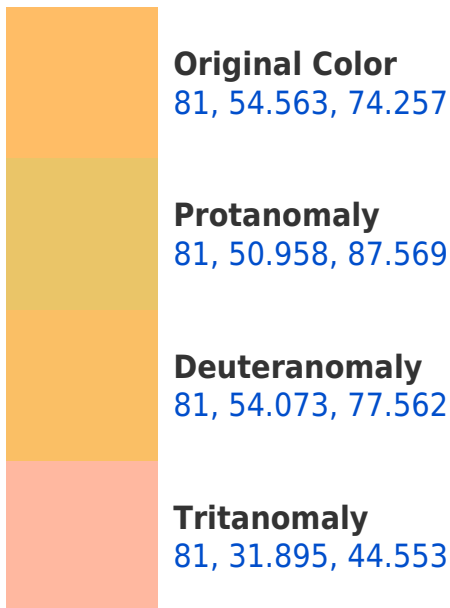
Deuteranopia

81, 53.793, 78.957

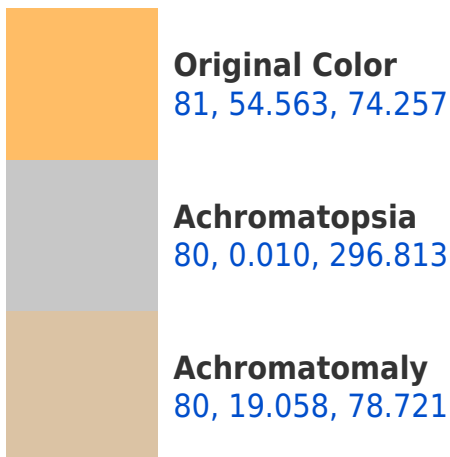


Tritanopia
81, 28.417, 10.186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 54.563, 74.257 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, 189, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 102)  
}
```

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, 189, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 54.563, 74.257 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, 189, 102) }
```

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

```
.border{ border-color:rgb(255, 189, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 54.563, 74.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 102) }
```

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

```
.background{ background-color: rgb(255,  
189, 102) }
```

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