

Converting Colors

CIELCh(81, 59.726, 76.257)

Have a look what the booklet for
CIELCh(81, 59.726, 76.257) contains.

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Color

CIELCh(81, 59.660, 76.393)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD5A
RGB	255, 189, 90
RGB Percent	100%, 74%, 35%
CMY	0.0000, 0.2583, 0.6466
CMYK	0.00, 0.26, 0.65, 0.00
HSL	36°, 100%, 68%
HSV	36°, 65%, 100%
XYZ	61.3619, 58.4711, 17.7503
YIQ	197.4480, 71.1150, -16.7970

Conversions

Conversions Part 2

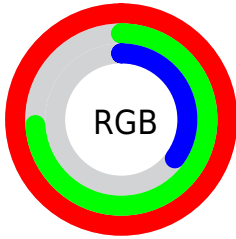
Format	Color
R_{YB}	200, 255, 90
Decimal	16760154
CIE _{Lab}	81.00, 14.04, 57.99
CIE _{LCh}	81, 59.660, 76.393
Yxy	58.4711, 0.4460, 0.4250
Android (android.graphics.Color)	4294950234 (0xFFFFBD5A)
YUV	197.4480, -52.9719, 50.4731
Hunter-Lab	76.4664, 9.4246, 39.7634

Details

The CIELCh color **81, 59.660, 76.393** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **64, 56.230, 279.605**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 51.164, 101.638**, and **61, 59.702, 76.628** is the 20% darker color. If you saturate the color by 10%, you get **78, 68.535, 74.761**, and if you desaturate by 10%, it is **84, 50.140, 77.978**.

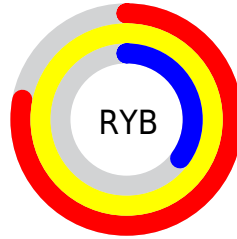
Distribution



Red (100%)

Green (74%)

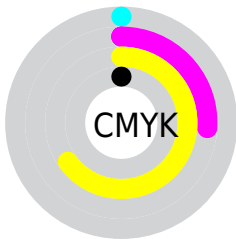
Blue (35%)



Red (78%)

Yellow (100%)

Blue (35%)

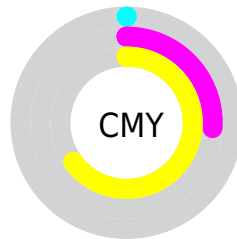


Cyan (0%)

Magenta (26%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 59.660, 76.393 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, 59.660, 76.393 by changing the saturation by 10% instead.

 81, 59.660, 76.393

 81, 59.660, 76.393

 100, 59.660,
76.393

 71, 59.660, 76.393

 61, 59.660, 76.393

 51, 59.660, 76.393

 41, 59.660, 76.393

 31, 59.660, 76.393

 21, 59.660, 76.393

 11, 59.660, 76.393

 1, 59.660, 76.393

 0, 59.660, 76.393

81, 59.660, 76.393

81, 59.660, 76.393

78, 68.535, 74.761

84, 50.140, 77.978

76, 76.066, 72.785

87, 40.529, 79.436

74, 81.153, 70.268

89, 31.028, 80.847

72, 82.908, 68.707

92, 21.747, 82.219

95, 12.728, 83.547

99, 3.978, 84.785

100, 0.012,
296.813

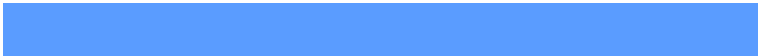
Harmonies

Complementary

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



81, 59.660, 76.393



64, 56.230, 279.605

Rectangle

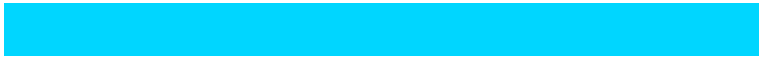
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 59.660, 76.393



81, 59.660, 126.393



81, 59.660, 256.393



81, 59.660, 306.393

Sweetspot

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



81, 59.628, 76.443



94, 16.609, 82.977



63, 67.707, 358.841



49, 11.482, 82.596



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, 59.628, 76.443



78, 71.254, 74.144



96, 78.155, 109.199



52, 4.896, 84.207



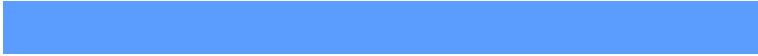
55, 66.701, 69.349



18, 27.385, 71.912

Inverse Universe

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



64, 56.230, 279.605



58, 68.394, 284.489



49, 94.909, 302.605



50, 4.856, 266.788



36, 70.629, 292.551



10, 28.374, 286.837

Previews

White Background



This preview shows how the CIELCh color 81, 59.660, 76.393 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, 59.660, 76.393 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, 59.660, 76.393

Background



This preview shows how black text looks on a background with the CIELCh color 81, 59.660, 76.393.



This preview shows how white text looks on a background with the CIELCh color 81, 59.660, 76.393.

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, 59.660, 76.393

Protanopia

81, 55.824, 95.878

Deuteranopia

81, 59.205, 80.341



Tritanopia
81, 28.417, 10.186

Trichromacy



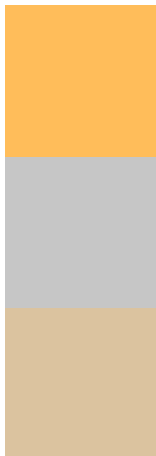
Original Color
81, 59.660, 76.393

Protanomaly
81, 56.090, 88.187

Deuteranomaly
81, 59.462, 79.062

Tritanomaly
81, 32.928, 48.652

Monochromacy



Original Color
81, 59.660, 76.393

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 21.429, 81.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 59.660, 76.393 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 59.660, 76.393 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, 90) }
```

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

```
.border{ border-color:rgb(255, 189, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 59.660, 76.393 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, 90) }
```

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

```
.background{ background-color: rgb(255,  
189, 90) }
```

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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