

Converting Colors

CIELCh(80, 65.773, 77.118)

Have a look what the booklet for
CIELCh(80, 65.773, 77.118) contains.

| | |
|--|----|
| CIELCh(80, 65.736, 77.039) | 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(80, 65.736, 77.039)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFBA4A |
| RGB | 255, 186, 74 |
| RGB Percent | 100%, 73%, 29% |
| CMY | 0.0013, 0.2717, 0.7109 |
| CMYK | 0.00, 0.27, 0.71, 0.00 |
| HSL | 37°, 100%, 64% |
| HSV | 37°, 71%, 100% |
| XYZ | 59.8402, 56.6813, 14.2136 |
| YIQ | 193.8630, 77.0760, -20.2040 |

Conversions

Conversions Part 2

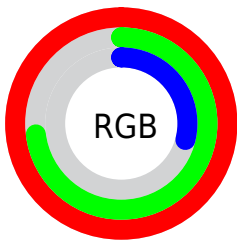
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 186, 255, 74 |
| Decimal | 16759370 |
| CIELab | 80.00, 14.74, 64.06 |
| CIELCh | 80, 65.736, 77.039 |
| Yxy | 56.6813, 0.4577, 0.4336 |
| Android (android.graphics.Color) | 4294949450 (0xFFFFBA4A) |
| YUV | 193.8630, -59.0925, 53.6171 |
| Hunter-Lab | 75.2870, 10.1246, 41.5074 |

Details

The CIELCh color **80, 65.736, 77.039** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **60, 63.797, 283.361**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 56.965, 100.309**, and **60, 65.788, 76.924** is the 20% darker color. If you saturate the color by 10%, you get **78, 73.711, 75.203**, and if you desaturate by 10%, it is **83, 56.642, 78.661**.

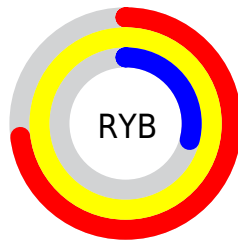
Distribution



Red (100%)

Green (73%)

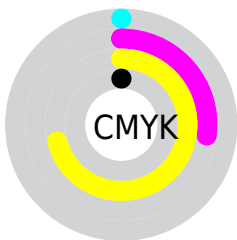
Blue (29%)



Red (73%)

Yellow (100%)

Blue (29%)

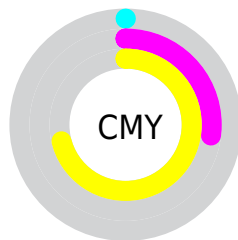


Cyan (0%)

Magenta (27%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 65.736, 77.039 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 80, 65.736, 77.039 by changing the saturation by 10% instead.

 80, 65.736, 77.039

 80, 65.736, 77.039

 100, 65.736,
77.039

 70, 65.736, 77.039

 60, 65.736, 77.039

 50, 65.736, 77.039

 40, 65.736, 77.039

 30, 65.736, 77.039

 20, 65.736, 77.039

 10, 65.736, 77.039

 0, 65.736, 77.039

 80, 65.736, 77.039

 80, 65.736, 77.039

78, 73.711, 75.203

83, 56.642, 78.661

75, 79.572, 72.947

85, 47.104, 80.168

73, 82.596, 70.454

88, 37.495, 81.611

91, 28.008, 83.010

94, 18.729, 84.368

97, 9.693, 85.674

100, 0.904, 86.622

100, 0.116,
205.113

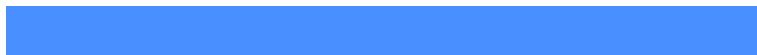
Harmonies

Complementary

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



80, 65.736, 77.039



60, 63.797, 283.361

Rectangle

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



80, 65.736, 77.039



80, 65.736, 127.039



80, 65.736, 257.039



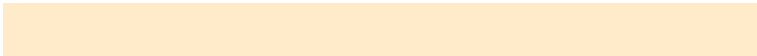
80, 65.736, 307.039

Sweetspot

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



80, 65.735, 77.042



94, 18.698, 84.375



60, 72.352, 1.913



49, 12.705, 84.005



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 65.735, 77.042



77, 76.416, 74.376



96, 83.933, 109.760



52, 4.979, 85.870



56, 66.545, 71.070



18, 27.547, 73.738

Inverse Universe

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



60, 63.797, 283.361



53, 77.354, 288.657



45, 104.429, 303.959



50, 4.950, 268.437



35, 72.966, 293.803



9, 29.284, 288.249

Previews

White Background



This preview shows how the CIELCh color 80, 65.736, 77.039 looks on a white background.

Color Contrast Check

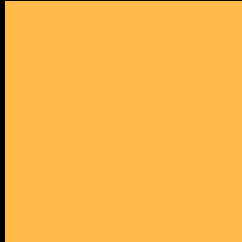
Large Text (above 18pt) WCAG AA × Fail

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 80, 65.736, 77.039 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 80, 65.736, 77.039

Background



This preview shows how black text looks on a background with the CIELCh color 80, 65.736, 77.039.



This preview shows how white text looks on a background with the CIELCh color 80, 65.736, 77.039.

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

80, 65.736, 77.039

Protanopia

80, 62.092, 95.278

Deuteranopia

80, 65.023, 80.967



Tritanopia
80, 30.068, 11.014

Trichromacy



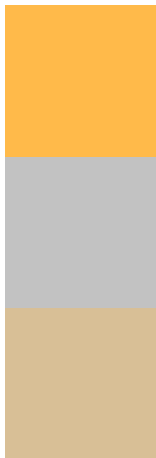
Original Color
80, 65.736, 77.039

Protanomaly
80, 62.428, 88.282

Deuteranomaly
80, 65.281, 79.793

Tritanomaly
80, 36.182, 50.779

Monochromacy



Original Color
80, 65.736, 77.039

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 24.127, 83.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 65.736, 77.039 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, 186, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 74)  
}
```

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, 186, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 65.736, 77.039 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, 186, 74) }
```

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

```
.border{ border-color:rgb(255, 186, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 65.736, 77.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 74) }
```

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

```
.background{ background-color: rgb(255,  
186, 74) }
```

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