

Converting Colors

CIELCh(80, 67.575, 77.518)

Have a look what the booklet for
CIELCh(80, 67.575, 77.518) contains.

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Color

CIELCh(80, 67.636, 77.607)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA45
RGB	255, 186, 69
RGB Percent	100%, 73%, 27%
CMY	0.0009, 0.2713, 0.7302
CMYK	0.00, 0.27, 0.73, 0.00
HSL	38°, 100%, 63%
HSV	38°, 73%, 100%
XYZ	59.7447, 56.6813, 13.3900
YIQ	193.2930, 78.6810, -21.7590

Conversions

Conversions Part 2

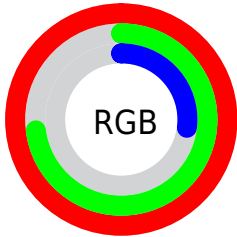
Format	Color
R _Y B	179, 255, 69
Decimal	16759365
CIE Lab	80.00, 14.52, 66.06
CIE LCh	80, 67.636, 77.607
Yxy	56.6813, 0.4602, 0.4366
Android (android.graphics.Color)	4294949445 (0xFFFFBA45)
YUV	193.2930, -61.2764, 54.1170
Hunter-Lab	75.2870, 9.8982, 42.1560

Details

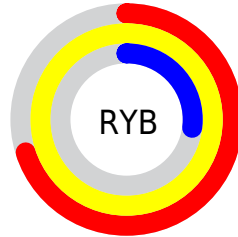
The CIELCh color **80, 67.636, 77.607** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **59, 66.743, 284.853**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 58.790, 100.315**, and **60, 67.291, 77.326** is the 20% darker color. If you saturate the color by 10%, you get **78, 75.197, 75.719**, and if you desaturate by 10%, it is **82, 58.743, 79.258**.

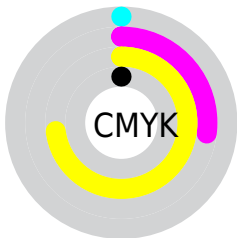
Distribution



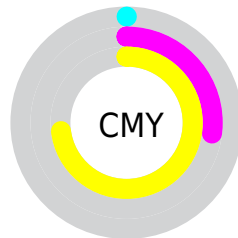
- Red (100%)
- Green (73%)
- Blue (27%)



- Red (70%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (27%)
- Yellow (73%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 67.636, 77.607 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, 67.636, 77.607 by changing the saturation by 10% instead.

 80, 67.636, 77.607

 80, 67.636, 77.607

 100, 67.636,
77.607

 70, 67.636, 77.607

 60, 67.636, 77.607

 50, 67.636, 77.607

 40, 67.636, 77.607

 30, 67.636, 77.607

 20, 67.636, 77.607

 10, 67.636, 77.607

 0, 67.636, 77.607

 80, 67.636, 77.607

 80, 67.636, 77.607

78, 75.197, 75.719

82, 58.743, 79.258

75, 80.408, 73.379

85, 49.265, 80.780

74, 82.536, 71.424

88, 39.633, 82.234

90, 30.073, 83.640

93, 20.692, 85.004

96, 11.535, 86.321

99, 2.615, 87.511

100, 0.077,
208.061

Harmonies

Complementary

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



80, 67.636, 77.607



59, 66.743, 284.853

Rectangle

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



80, 67.636, 77.607



80, 67.636, 127.607



80, 67.636, 257.607



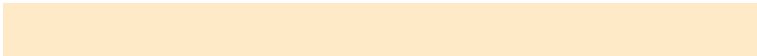
80, 67.636, 307.607

Sweetspot

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



80, 67.635, 77.610



94, 19.786, 85.137



59, 73.744, 2.525



49, 13.342, 84.773



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, 67.635, 77.610



77, 78.218, 74.619



96, 85.543, 109.703



52, 5.026, 86.764



57, 66.490, 72.027



18, 27.649, 74.736

Inverse Universe

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



59, 66.743, 284.853



51, 81.724, 290.563



44, 107.292, 304.258



50, 5.003, 269.321



35, 74.257, 294.461



9, 29.792, 288.995

Previews

White Background



This preview shows how the CIELCh color 80, 67.636, 77.607 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, 67.636, 77.607 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, 67.636, 77.607

Background



This preview shows how black text looks on a background with the CIELCh color 80, 67.636, 77.607.



This preview shows how white text looks on a background with the CIELCh color 80, 67.636, 77.607.

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, 67.636, 77.607

Protanopia

80, 64.113, 95.364

Deuteranopia

80, 66.938, 81.429



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 67.636, 77.607

Protanomaly
80, 64.427, 88.569

Deuteranomaly
80, 67.188, 80.286

Tritanomaly
80, 36.845, 52.025

Monochromacy



Original Color
80, 67.636, 77.607

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 24.640, 83.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 67.636, 77.607 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 67.636, 77.607 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, 69) }
```

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

```
.border{ border-color:rgb(255, 186, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 67.636, 77.607 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, 69) }
```

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

```
.background{ background-color: rgb(255,  
186, 69) }
```

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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