

Converting Colors

CIELCh(80, 52.832, 69.781)

Have a look what the booklet for
CIELCh(80, 52.832, 69.781) contains.

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Color

CIELCh(80, 52.324, 70.234)

Conversions

Conversions Part 1

Format	Color
Hex	FFB86A
RGB	255, 184, 106
RGB Percent	100%, 72%, 42%
CMY	0.0000, 0.2778, 0.5837
CMYK	0.00, 0.28, 0.58, 0.00
HSL	31°, 100%, 71%
HSV	31°, 58%, 100%
XYZ	61.0850, 56.6813, 21.3964
YIQ	196.3370, 67.3540, -9.2060

Conversions

Conversions Part 2

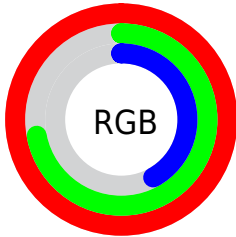
Format	Color
R _Y B	242, 255, 106
Decimal	16758890
CIE Lab	80.00, 17.69, 49.24
CIE LCh	80, 52.324, 70.234
Yxy	56.6813, 0.4389, 0.4073
Android (android.graphics.Color)	4294948970 (0xFFFFB86A)
YUV	196.3370, -44.5361, 51.4475
Hunter-Lab	75.2870, 13.0759, 35.8508

Details

The CIELCh color **80, 52.324, 70.234** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 45.316, 270.260**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 41.449, 98.612**, and **60, 52.536, 70.211** is the 20% darker color. If you saturate the color by 10%, you get **77, 61.981, 68.838**, and if you desaturate by 10%, it is **83, 42.554, 71.678**.

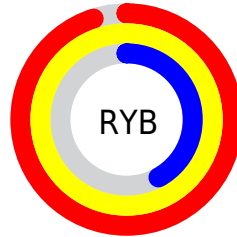
Distribution



Red (100%)

Green (72%)

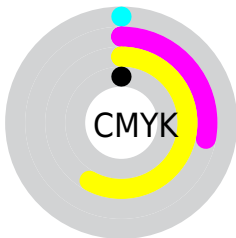
Blue (42%)



Red (95%)

Yellow (100%)

Blue (42%)

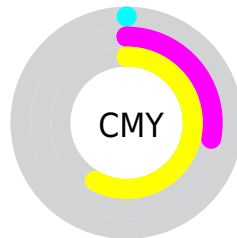


Cyan (0%)

Magenta (28%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (28%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 52.324, 70.234 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, 52.324, 70.234 by changing the saturation by 10% instead.

 80, 52.324, 70.234

 80, 52.324, 70.234

 100, 52.324,
70.234

 70, 52.324, 70.234

 60, 52.324, 70.234

 50, 52.324, 70.234

 40, 52.324, 70.234

 30, 52.324, 70.234

 20, 52.324, 70.234

 10, 52.324, 70.234

 0, 52.324, 70.234

 80, 52.324, 70.234

 80, 52.324, 70.234

77, 61.981, 68.838

83, 42.554, 71.678

74, 71.152, 67.180

87, 33.070, 73.019

71, 78.856, 65.097

90, 23.928, 74.337

69, 84.015, 62.284

93, 15.159, 75.630

68, 84.750, 61.813

97, 6.759, 76.875

100, 0.012,
296.813

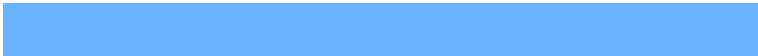
Harmonies

Complementary

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



80, 52.324, 70.234



71, 45.316, 270.260

Rectangle

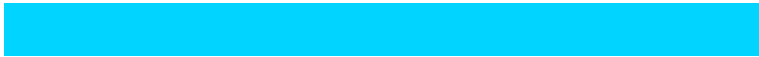
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 52.324, 70.234



80, 52.324, 120.234



80, 52.324, 250.234



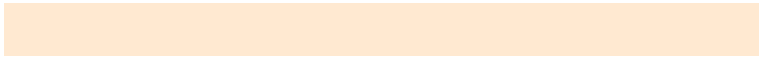
80, 52.324, 300.234

Sweetspot

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



80, 52.275, 70.300



94, 14.839, 75.678



66, 64.216, 351.590



49, 10.377, 75.305



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, 52.275, 70.300



76, 63.528, 68.586



97, 71.585, 105.519



51, 4.601, 76.739



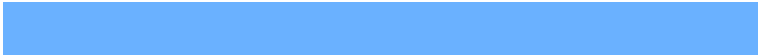
52, 68.052, 62.516



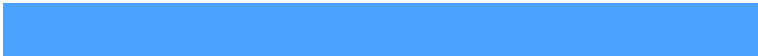
16, 27.021, 64.244

Inverse Universe

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



71, 45.316, 270.260



65, 54.050, 274.398



53, 85.233, 299.732



50, 4.515, 259.307



40, 61.170, 286.461



11, 24.788, 280.100

Previews

White Background



This preview shows how the CIELCh color 80, 52.324, 70.234 looks on a white background.

Color Contrast Check

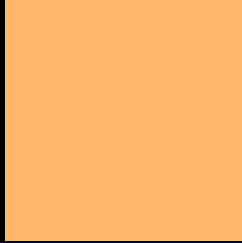
Large Text (above 18pt) WCAG AA × Fail

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, 52.324, 70.234 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, 52.324, 70.234

Background



This preview shows how black text looks on a background with the CIELCh color 80, 52.324, 70.234.



This preview shows how white text looks on a background with the CIELCh color 80, 52.324, 70.234.

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





Tritanopia
80, 30.068, 11.014

Trichromacy



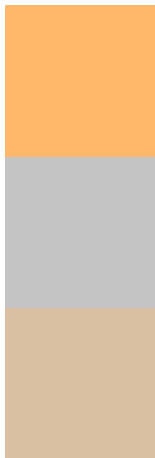
Original Color
80, 52.324, 70.234

Protanomaly
80, 47.345, 86.497

Deuteranomaly
80, 51.238, 75.065

Tritanomaly
80, 32.835, 41.186

Monochromacy



Original Color
80, 52.324, 70.234

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 18.407, 76.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 52.324, 70.234 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, 184, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 106)  
}
```

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, 184, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 52.324, 70.234 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, 184, 106) }
```

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

```
.border{ border-color:rgb(255, 184, 106) }
```

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

Here you see how a box with a 4 pixel rgb(255, 184, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 52.324, 70.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 106) }
```

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

```
.background{ background-color: rgb(255,  
184, 106) }
```

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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