

Converting Colors

CIELCh(98, 96.564, 40.002)

Have a look what the booklet for
CIELCh(98, 96.564, 40.002) contains.

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Color

CIELCh(80, 41.158, 58.517)

Conversions

Conversions Part 1

Format	Color
Hex	FFB686
RGB	255, 182, 134
RGB Percent	100%, 71%, 53%
CMY	0.0000, 0.2860, 0.4745
CMYK	0.00, 0.29, 0.47, 0.00
HSL	24°, 100%, 76%
HSV	24°, 47%, 100%
XYZ	62.7130, 56.6813, 30.1913
YIQ	198.3550, 58.9160, 0.5480

Conversions

Conversions Part 2

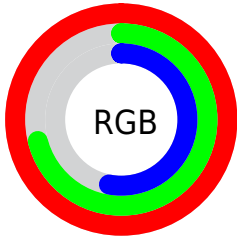
Format	Color
R _Y B	255, 214, 134
Decimal	16758406
CIE Lab	80.00, 21.49, 35.10
CIE LCh	80, 41.158, 58.517
Yxy	56.6813, 0.4192, 0.3789
Android (android.graphics.Color)	4294948486 (0xFFFFB686)
YUV	198.3550, -31.7270, 49.6777
Hunter-Lab	75.2870, 16.9358, 28.9246

Details

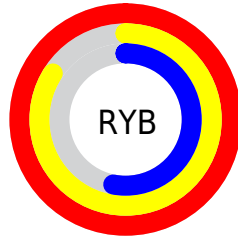
The CIELCh color **80, 41.158, 58.517** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **80, 32.226, 251.587**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 26.383, 93.749**, and **60, 40.740, 58.625** is the 20% darker color. If you saturate the color by 10%, you get **76, 50.919, 58.072**, and if you desaturate by 10%, it is **84, 31.128, 59.833**.

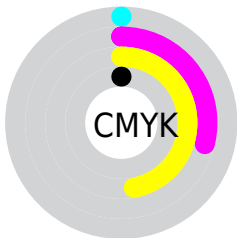
Distribution



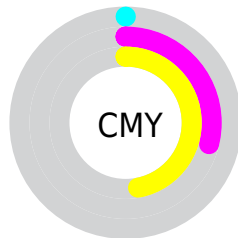
- Red (100%)
- Green (71%)
- Blue (53%)



- Red (100%)
- Yellow (84%)
- Blue (53%)



- Cyan (0%)
- Magenta (29%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.158, 58.517 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, 41.158, 58.517 by changing the saturation by 10% instead.

 80, 41.158, 58.517

 80, 41.158, 58.517

 100, 41.158,
58.517

 70, 41.158, 58.517

 60, 41.158, 58.517

 50, 41.158, 58.517


 40, 41.158, 58.517


 30, 41.158, 58.517

 20, 41.158, 58.517

 10, 41.158, 58.517

 0, 41.158, 58.517

 80, 41.158, 58.517

 80, 41.158, 58.517

76, 50.919, 58.072

84, 31.128, 59.833

72, 61.438, 57.214

88, 22.071, 60.776

69, 71.904, 56.247

92, 13.579, 61.746

66, 81.437, 54.910

97, 5.613, 62.700

63, 88.632, 52.756

100, 0.012,
296.813

62, 90.226, 52.179

Harmonies

Complementary

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



80, 41.158, 58.517



80, 32.226, 251.587

Rectangle

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



80, 41.158, 58.517



80, 41.158, 108.517



80, 41.158, 238.517



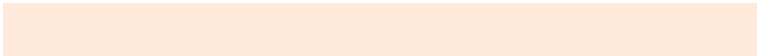
80, 41.158, 288.517

Sweetspot

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



80, 40.760, 58.933



94, 10.775, 62.082



71, 57.517, 342.102



49, 7.490, 61.872



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, 40.760, 58.933



76, 50.454, 58.110



94, 53.753, 99.770



51, 4.313, 62.512



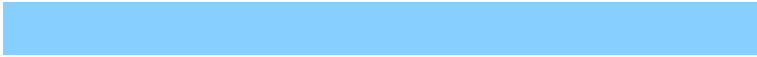
47, 72.256, 52.856



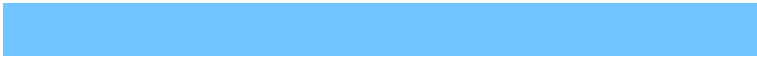
14, 27.486, 51.944

Inverse Universe

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



80, 32.226, 251.587



76, 37.773, 254.330



65, 59.361, 292.422



51, 4.150, 244.690



47, 47.277, 272.085



14, 19.806, 264.885

Previews

White Background



This preview shows how the CIELCh color 80, 41.158, 58.517 looks on a white background.

Color Contrast Check

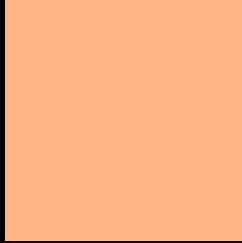
Large Text (above 18pt) WCAG AA × Fail

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, 41.158, 58.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

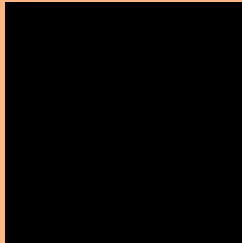
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 41.158, 58.517

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.158, 58.517.



This preview shows how white text looks on a background with the CIELCh color 80, 41.158, 58.517.

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, 40.763, 58.885

Protanopia

80, 30.758, 95.150

Deuteranopia

80, 37.126, 74.473



Tritanopia
80, 30.524, 10.231

Trichromacy



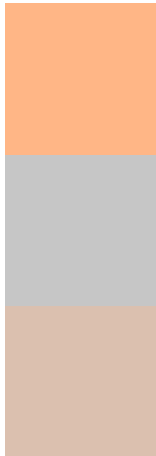
Original Color
80, 40.763, 58.885

Protanomaly
80, 32.678, 79.522

Deuteranomaly
80, 37.901, 68.320

Tritanomaly
80, 30.992, 31.551

Monochromacy



Original Color
80, 40.763, 58.885

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 13.906, 60.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.158, 58.517 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, 182, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 134)  
}
```

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, 182, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.158, 58.517 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, 182, 134) }
```

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

```
.border{ border-color:rgb(255, 182, 134) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.158, 58.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 134) }
```

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

```
.background{ background-color: rgb(255,  
182, 134) }
```

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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