

Converting Colors

CIELCh(98, 95.748, 39.379)

Have a look what the booklet for
CIELCh(98, 95.748, 39.379) contains.

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Color

CIELCh(80, 40.405, 57.545)

Conversions

Conversions Part 1

Format	Color
Hex	FFB688
RGB	255, 182, 136
RGB Percent	100%, 71%, 53%
CMY	0.0000, 0.2864, 0.4670
CMYK	0.00, 0.29, 0.47, 0.00
HSL	23°, 100%, 77%
HSV	23°, 47%, 100%
XYZ	62.7944, 56.6813, 30.8947
YIQ	198.5830, 58.2740, 1.1700

Conversions

Conversions Part 2

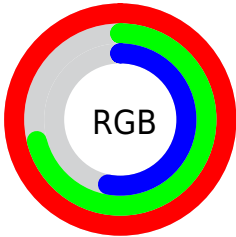
Format	Color
RYB	255, 211, 136
Decimal	16758408
CIELab	80.00, 21.68, 34.09
CIElCh	80, 40.405, 57.545
Yxy	56.6813, 0.4176, 0.3769
Android (android.graphics.Color)	4294948488 (0xFFFFB688)
YUV	198.5830, -30.8534, 49.4777
Hunter-Lab	75.2870, 17.1288, 28.3707

Details

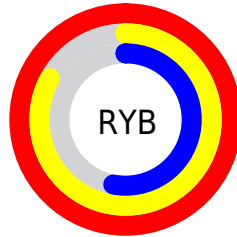
The CIELCh color **80, 40.405, 57.545** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **81, 31.499, 249.966**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 25.397, 93.299**, and **60, 40.338, 58.141** is the 20% darker color. If you saturate the color by 10%, you get **76, 50.207, 57.121**, and if you desaturate by 10%, it is **84, 30.416, 58.774**.

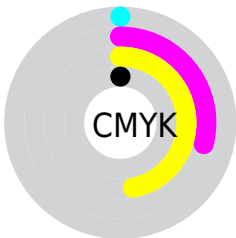
Distribution



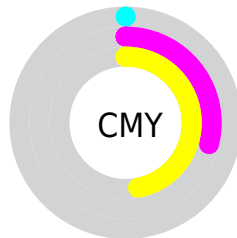
- Red (100%)
- Green (71%)
- Blue (53%)



- Red (100%)
- Yellow (83%)
- 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, 40.405, 57.545 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, 40.405, 57.545 by changing the saturation by 10% instead.

 80, 40.405, 57.545

 80, 40.405, 57.545

 100, 40.405,
57.545

 70, 40.405, 57.545

 60, 40.405, 57.545

 50, 40.405, 57.545

 40, 40.405, 57.545

 30, 40.405, 57.545

 20, 40.405, 57.545

 10, 40.405, 57.545

 0, 40.405, 57.545

 80, 40.405, 57.545

 80, 40.405, 57.545

76, 50.207, 57.121

84, 30.416, 58.774

72, 60.780, 56.334

88, 21.388, 59.674

69, 71.371, 55.461

93, 12.936, 60.606

65, 81.143, 54.253

97, 5.020, 61.516

63, 88.666, 52.247

100, 0.012,
296.813

62, 90.756, 51.513

Harmonies

Complementary

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



80, 40.405, 57.545



81, 31.499, 249.966

Rectangle

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



80, 40.405, 57.545



80, 40.405, 107.545



80, 40.405, 237.545



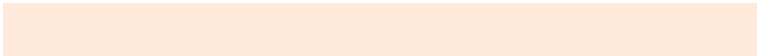
80, 40.405, 287.545

Sweetspot

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



80, 40.035, 57.923



94, 10.751, 60.859



72, 56.677, 342.017



49, 7.475, 60.657



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, 40.035, 57.923



76, 49.483, 57.175



94, 52.943, 99.852



51, 4.302, 61.272



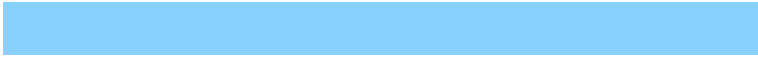
47, 72.670, 52.181



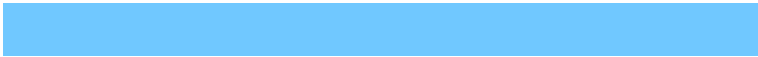
14, 27.577, 51.003

Inverse Universe

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



81, 31.499, 249.966



77, 36.826, 252.562



65, 58.334, 292.258



51, 4.133, 243.393



48, 46.295, 270.605



15, 19.470, 263.372

Previews

White Background



This preview shows how the CIELCh color 80, 40.405, 57.545 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, 40.405, 57.545 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, 40.405, 57.545

Background



This preview shows how black text looks on a background with the CIELCh color 80, 40.405, 57.545.



This preview shows how white text looks on a background with the CIELCh color 80, 40.405, 57.545.

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, 40.006, 57.908

Protanopia

80, 29.742, 94.856

Deuteranopia

80, 35.973, 74.286



Tritanopia
80, 30.524, 10.231

Trichromacy



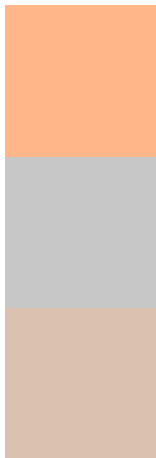
Original Color
80, 40.006, 57.908

Protanomaly
80, 31.737, 78.799

Deuteranomaly
80, 37.049, 67.463

Tritanomaly
80, 30.834, 30.626

Monochromacy



Original Color
80, 40.006, 57.908

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 13.590, 61.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 40.405, 57.545 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 40.405, 57.545 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, 136) }
```

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

```
.border{ border-color:rgb(255, 182, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 40.405, 57.545 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
182, 136) }
```

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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