

Converting Colors

CIELCh(80, 33.525, 41.757)

Have a look what the booklet for
CIELCh(80, 33.525, 41.757) contains.

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Color

CIELCh(80, 33.088, 41.979)

Conversions

Conversions Part 1

Format	Color
Hex	FFB49E
RGB	255, 180, 158
RGB Percent	100%, 71%, 62%
CMY	0.0000, 0.2922, 0.3786
CMYK	0.00, 0.29, 0.38, 0.00
HSL	14°, 100%, 81%
HSV	14°, 38%, 100%
XYZ	64.0636, 56.6813, 40.1228
YIQ	199.9170, 51.7620, 9.0580

Conversions

Conversions Part 2

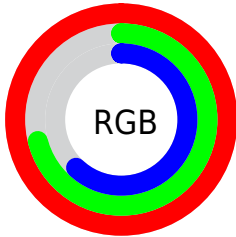
Format	Color
R_{YB}	255, 186, 158
Decimal	16757918
CIE _{Lab}	80.00, 24.60, 22.13
CIE _{LCh}	80, 33.088, 41.979
Yxy	56.6813, 0.3982, 0.3523
Android (android.graphics.Color)	4294947998 (0xFFFFB49E)
YUV	199.9170, -20.6651, 48.3078
Hunter-Lab	75.2870, 20.1380, 21.1034

Details

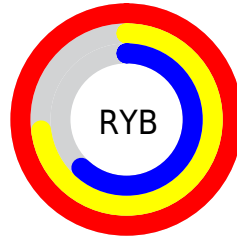
The CIELCh color **80, 33.088, 41.979** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **88, 25.152, 225.500**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 13.756, 78.257**, and **60, 32.828, 41.892** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.311, 42.285**, and if you desaturate by 10%, it is **85, 23.204, 42.097**.

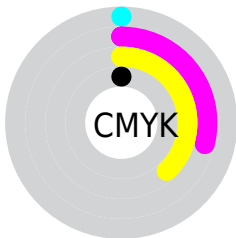
Distribution



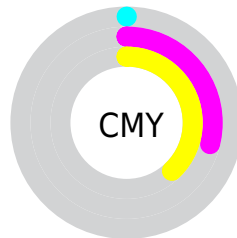
- Red (100%)
- Green (71%)
- Blue (62%)



- Red (100%)
- Yellow (73%)
- Blue (62%)



- Cyan (0%)
- Magenta (29%)
- Yellow (38%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 33.088, 41.979 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, 33.088, 41.979 by changing the saturation by 10% instead.

80, 33.088, 41.979

80, 33.088, 41.979

100, 33.088,
41.979

70, 33.088, 41.979

60, 33.088, 41.979

50, 33.088, 41.979

40, 33.088, 41.979

30, 33.088, 41.979

20, 33.088, 41.979

10, 33.088, 41.979

0, 33.088, 41.979

80, 33.088, 41.979

80, 33.088, 41.979

75, 43.311, 42.285

85, 23.204, 42.097

70, 54.442, 42.667

90, 14.266, 42.225

66, 66.107, 43.241

96, 6.024, 42.419

63, 77.891, 43.913

100, 0.012,
296.813

59, 88.845, 44.372

57, 97.171, 43.990

56, 98.692, 43.910

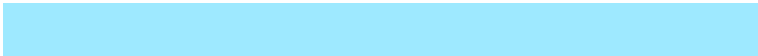
Harmonies

Complementary

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



80, 33.088, 41.979



88, 25.152, 225.500

Rectangle

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



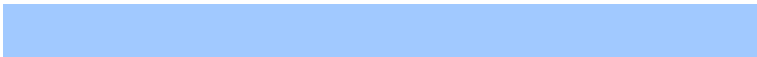
80, 33.088, 41.979



80, 33.088, 91.979



80, 33.088, 221.979



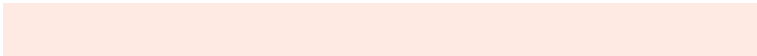
80, 33.088, 271.979

Sweetspot

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



80, 32.881, 42.104



94, 8.544, 42.360



77, 51.866, 333.667



49, 5.773, 42.332



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, 32.881, 42.104



76, 40.257, 42.214



91, 37.214, 90.079



50, 4.389, 42.390



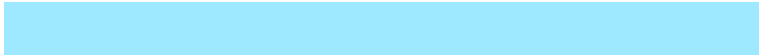
43, 79.013, 44.367



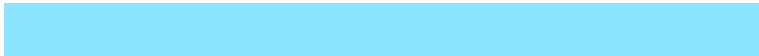
12, 29.567, 38.853

Inverse Universe

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



88, 25.152, 225.500



86, 28.973, 226.437



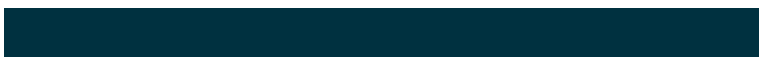
76, 37.819, 281.066



52, 4.142, 223.280



57, 36.082, 241.755



18, 16.290, 235.820

Previews

White Background



This preview shows how the CIELCh color 80, 33.088, 41.979 looks on a white background.

Color Contrast Check

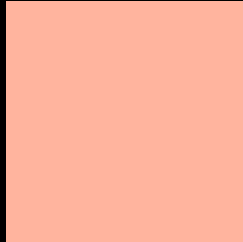
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 33.088, 41.979 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, 33.088, 41.979

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.088, 41.979.

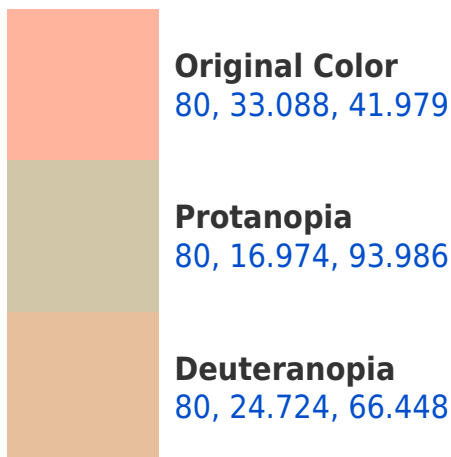


This preview shows how white text looks on a background with the CIELCh color 80, 33.088, 41.979.

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, 30.573, 9.252

Trichromacy



Original Color
80, 33.088, 41.979

Protanomaly
80, 20.244, 66.826

Deuteranomaly
80, 26.743, 55.391

Tritanomaly
80, 30.190, 20.987

Monochromacy



Original Color
80, 33.088, 41.979

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 11.178, 42.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.088, 41.979 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, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 158)  
}
```

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, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.088, 41.979 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, 180, 158) }
```

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

```
.border{ border-color:rgb(255, 180, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.088, 41.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 158) }
```

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

```
.background{ background-color: rgb(255,  
180, 158) }
```

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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