

Converting Colors

CIELCh(83, 46.155, 37.145)

Have a look what the booklet for
CIELCh(83, 46.155, 37.145) contains.

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Color

CIELCh(80, 33.784, 42.527)

Conversions

Conversions Part 1

Format	Color
Hex	FFB49D
RGB	255, 180, 157
RGB Percent	100%, 71%, 62%
CMY	0.0000, 0.2933, 0.3836
CMYK	0.00, 0.29, 0.38, 0.00
HSL	14°, 100%, 81%
HSV	14°, 38%, 100%
XYZ	64.1953, 56.6813, 39.5341
YIQ	199.8030, 52.0830, 8.7470

Conversions

Conversions Part 2

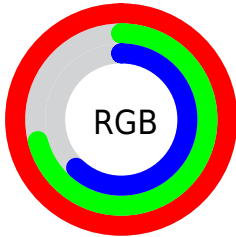
Format	Color
R _Y B	255, 187, 157
Decimal	16757917
CIE Lab	80.00, 24.90, 22.84
CIE LCh	80, 33.784, 42.527
Yxy	56.6813, 0.4002, 0.3534
Android (android.graphics.Color)	4294947997 (0xFFFFB49D)
YUV	199.8030, -21.1019, 48.4078
Hunter-Lab	75.2870, 20.4502, 21.5670

Details

The CIELCh color **80, 33.784, 42.527** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **88, 25.395, 226.618**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 14.205, 79.246**, and **60, 33.114, 42.708** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.687, 42.978**, and if you desaturate by 10%, it is **85, 23.589, 42.874**.

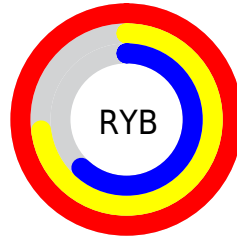
Distribution



Red (100%)

Green (71%)

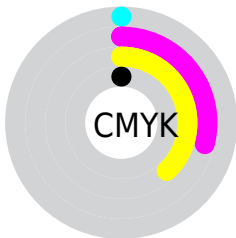
Blue (62%)



Red (100%)

Yellow (73%)

Blue (62%)

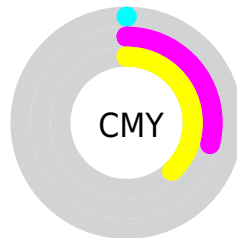


Cyan (0%)

Magenta (29%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 33.784, 42.527 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, 33.784, 42.527 by changing the saturation by 10% instead.

 80, 33.784, 42.527

 80, 33.784, 42.527

 100, 33.784,
42.527

 70, 33.784, 42.527

 60, 33.784, 42.527

 50, 33.784, 42.527

 40, 33.784, 42.527

 30, 33.784, 42.527

 20, 33.784, 42.527

 10, 33.784, 42.527

 0, 33.784, 42.527

 80, 33.784, 42.527

 80, 33.784, 42.527

75, 43.687, 42.978

85, 23.589, 42.874

70, 54.807, 43.307

90, 14.650, 43.038

66, 66.447, 43.816

95, 6.404, 43.271

63, 78.180, 44.403

100, 0.012,
296.813

59, 89.018, 44.741

57, 97.193, 44.234

57, 98.360, 44.164

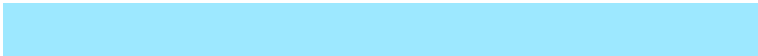
Harmonies

Complementary

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



80, 33.784, 42.527



88, 25.395, 226.618

Rectangle

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



80, 33.784, 42.527



80, 33.784, 92.527



80, 33.784, 222.527



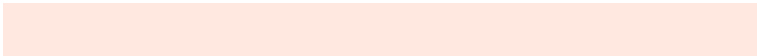
80, 33.784, 272.527

Sweetspot

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



80, 33.264, 42.841



94, 9.328, 43.186



77, 51.941, 334.364



49, 6.220, 43.154



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, 33.264, 42.841



76, 41.159, 42.929



92, 38.258, 91.248



50, 4.375, 43.246



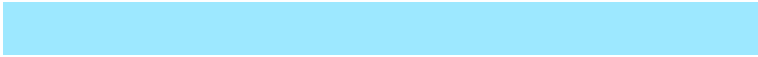
43, 78.741, 44.634



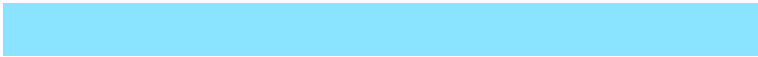
12, 29.458, 39.323

Inverse Universe

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



88, 25.395, 226.618



86, 29.447, 227.687



75, 39.175, 282.283



52, 4.130, 224.203



56, 36.327, 243.338



18, 16.349, 237.247

Previews

White Background



This preview shows how the CIELCh color 80, 33.784, 42.527 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, 33.784, 42.527 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, 33.784, 42.527

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.784, 42.527.



This preview shows how white text looks on a background with the CIELCh color 80, 33.784, 42.527.

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, 33.348, 42.758

Protanopia

80, 17.488, 94.354

Deuteranopia

80, 25.454, 66.479



Tritanopia
80, 30.573, 9.252

Trichromacy



Original Color
80, 33.348, 42.758

Protanomaly
80, 20.659, 67.721

Deuteranomaly
80, 27.470, 55.710

Tritanomaly
80, 30.256, 21.973

Monochromacy



Original Color
80, 33.348, 42.758

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 11.411, 44.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.784, 42.527 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.784, 42.527 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, 157) }
```

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

```
.border{ border-color:rgb(255, 180, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.784, 42.527 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, 157) }
```

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

```
.background{ background-color: rgb(255,  
180, 157) }
```

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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