

Converting Colors

CIELCh(84, 46.310, 16.615)

Have a look what the booklet for
CIELCh(84, 46.310, 16.615) contains.

CIELCh(80, 30.901, 11.407)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 30.901, 11.407)

Conversions

Conversions Part 1

Format	Color
Hex	FFB1BC
RGB	255, 177, 188
RGB Percent	100%, 69%, 74%
CMY	0.0000, 0.3050, 0.2619
CMYK	0.00, 0.31, 0.26, 0.00
HSL	352°, 100%, 85%
HSV	352°, 31%, 100%
XYZ	66.5921, 56.6813, 55.1292
YIQ	201.5760, 42.9570, 19.9570

Conversions

Conversions Part 2

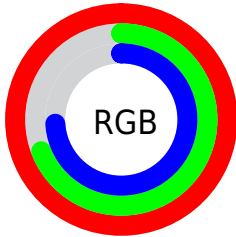
Format	Color
R _Y B	255, 177, 188
Decimal	16757180
CIE Lab	80.00, 30.29, 6.11
CIE LCh	80, 30.901, 11.407
Yxy	56.6813, 0.3733, 0.3177
Android (android.graphics.Color)	4294947260 (0xFFFFB1BC)
YUV	201.5760, -6.6930, 46.8528
Hunter-Lab	75.2870, 26.1329, 9.2855

Details

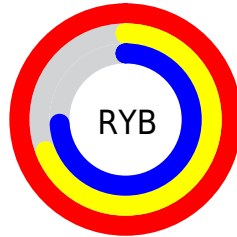
The CIELCh color **80, 30.901, 11.407** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 26.085, 185.199**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 9.675, 344.327**, and **60, 30.393, 11.410** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.296, 12.832**, and if you desaturate by 10%, it is **86, 19.876, 9.836**.

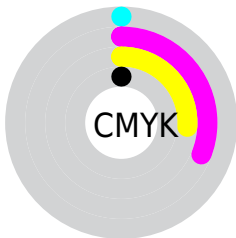
Distribution



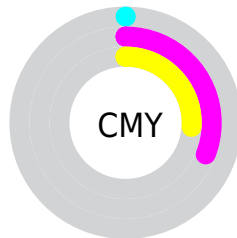
- Red (100%)
- Green (69%)
- Blue (74%)



- Red (100%)
- Yellow (69%)
- Blue (74%)



- Cyan (0%)
- Magenta (31%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.901, 11.407 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, 30.901, 11.407 by changing the saturation by 10% instead.

 80, 30.901, 11.407

 80, 30.901, 11.407

 100, 30.901,
11.407

 70, 30.901, 11.407

 60, 30.901, 11.407

 50, 30.901, 11.407

 40, 30.901, 11.407

 30, 30.901, 11.407

 20, 30.901, 11.407

 10, 30.901, 11.407

 0, 30.901, 11.407

 80, 30.901, 11.407

 80, 30.901, 11.407

74, 41.296, 12.832

86, 19.876, 9.836

68, 52.358, 14.916

93, 9.883, 8.715

63, 63.237, 17.568

100, 0.460, 6.497

59, 73.527, 20.931

100, 0.012,
296.813

56, 82.874, 25.088

54, 91.065, 29.913

53, 97.685, 34.518

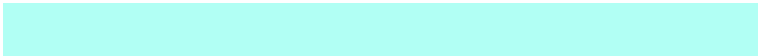
Harmonies

Complementary

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



80, 30.901, 11.407



95, 26.085, 185.199

Rectangle

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



80, 30.901, 11.407



80, 30.901, 61.407



80, 30.901, 191.407



80, 30.901, 241.407

Sweetspot

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



80, 30.391, 11.176



94, 8.432, 8.557



81, 46.879, 321.698



49, 5.885, 8.710



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, 30.391, 11.176



76, 37.446, 12.210



86, 24.760, 55.247



50, 5.335, 8.610



40, 77.922, 33.624



10, 32.333, 21.385

Inverse Universe

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



80, 30.391, 11.176



76, 37.446, 12.210



88, 20.989, 241.538



50, 5.335, 8.610



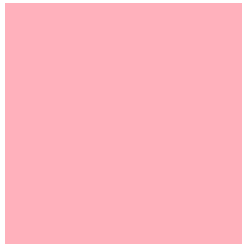
40, 77.922, 33.624



10, 32.333, 21.385

Previews

White Background



This preview shows how the CIELCh color 80, 30.901, 11.407 looks on a white background.

Color Contrast Check

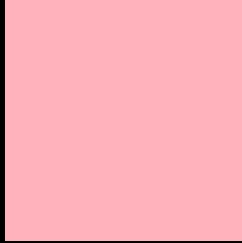
Large Text (above 18pt) WCAG AA × Fail

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, 30.901, 11.407 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, 30.901, 11.407

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.901, 11.407.

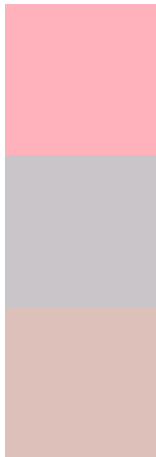


This preview shows how white text looks on a background with the CIELCh color 80, 30.901, 11.407.

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, 30.484, 11.212

Protanopia

80, 2.186, 332.319

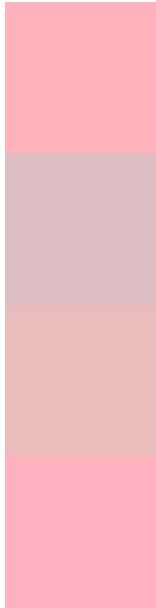
Deuteranopia

80, 11.913, 35.643



Tritanopia
80, 30.573, 9.252

Trichromacy



Original Color
80, 30.484, 11.212

Protanomaly
80, 12.042, 5.060

Deuteranomaly
80, 18.048, 20.851

Tritanomaly
80, 30.524, 10.231

Monochromacy



Original Color
80, 30.484, 11.212

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 10.688, 8.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.901, 11.407 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, 177, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 188)  
}
```

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, 177, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.901, 11.407 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, 177, 188) }
```

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

```
.border{ border-color:rgb(255, 177, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.901, 11.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 188) }
```

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

```
.background{ background-color: rgb(255,  
177, 188) }
```

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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