

Converting Colors

CIELCh(80, 29.840, 11.503)

Have a look what the booklet for
CIELCh(80, 29.840, 11.503) contains.

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Color

CIELCh(80, 30.036, 12.011)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2BC
RGB	255, 178, 188
RGB Percent	100%, 70%, 74%
CMY	0.0003, 0.3022, 0.2630
CMYK	0.00, 0.30, 0.26, 0.00
HSL	352°, 100%, 85%
HSV	352°, 30%, 100%
XYZ	66.1826, 56.6813, 54.9852
YIQ	202.1630, 42.6820, 19.4340

Conversions

Conversions Part 2

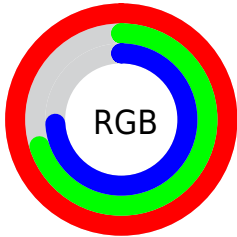
Format	Color
R _Y B	255, 178, 188
Decimal	16757436
CIE Lab	80.00, 29.38, 6.25
CIE LCh	80, 30.036, 12.011
Yxy	56.6813, 0.3721, 0.3187
Android (android.graphics.Color)	4294947516 (0xFFFFB2BC)
YUV	202.1630, -6.9824, 46.3380
Hunter-Lab	75.2870, 25.1620, 9.3990

Details

The CIELCh color **80, 30.036, 12.011** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 25.698, 186.207**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 9.086, 345.606**, and **60, 29.927, 12.226** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.958, 13.653**, and if you desaturate by 10%, it is **86, 19.528, 10.693**.

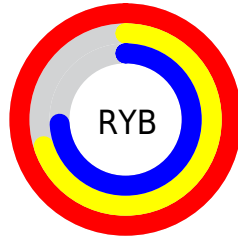
Distribution



Red (100%)

Green (70%)

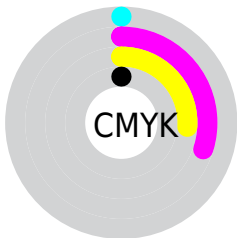
Blue (74%)



Red (100%)

Yellow (70%)

Blue (74%)

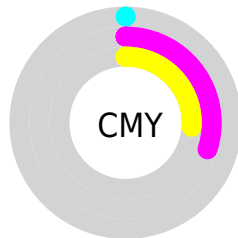


Cyan (0%)

Magenta (30%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.036, 12.011 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, 30.036, 12.011 by changing the saturation by 10% instead.

 80, 30.036, 12.011

 80, 30.036, 12.011

 100, 30.036,
12.011

 70, 30.036, 12.011

 60, 30.036, 12.011

 50, 30.036, 12.011

 40, 30.036, 12.011

 30, 30.036, 12.011

 20, 30.036, 12.011

 10, 30.036, 12.011

 0, 30.036, 12.011

 80, 30.036, 12.011

 80, 30.036, 12.011

74, 40.958, 13.653

86, 19.528, 10.693

68, 52.079, 15.720

93, 9.564, 9.587

63, 63.063, 18.352

100, 0.187, 5.357

59, 73.511, 21.689

100, 0.030,
222.068

56, 83.060, 25.807

54, 91.465, 30.563

53, 98.384, 35.178

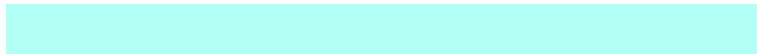
Harmonies

Complementary

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



80, 30.036, 12.011



95, 25.698, 186.207

Rectangle

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



80, 30.036, 12.011



80, 30.036, 62.011



80, 30.036, 192.011



80, 30.036, 242.011

Sweetspot

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



80, 30.033, 12.015



94, 8.409, 9.463



81, 46.594, 322.186



49, 5.870, 9.614



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, 30.033, 12.015



76, 36.339, 12.920



86, 24.465, 57.123



50, 5.320, 9.515



40, 78.507, 34.319



10, 32.404, 21.870

Inverse Universe

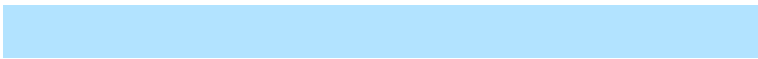
The Inverse Universe completely reimagines the original color for something new.



80, 30.033, 12.015



76, 36.339, 12.920



88, 20.945, 243.740



50, 5.320, 9.515



40, 78.507, 34.319



10, 32.404, 21.870

Previews

White Background



This preview shows how the CIELCh color 80, 30.036, 12.011 looks on a white background.

Color Contrast Check

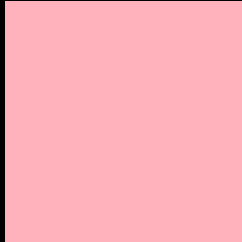
Large Text (above 18pt) WCAG AA × Fail

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, 30.036, 12.011 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, 30.036, 12.011

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.036, 12.011.



This preview shows how white text looks on a background with the CIELCh color 80, 30.036, 12.011.

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, 30.036, 12.011

Protanopia

80, 1.570, 359.381

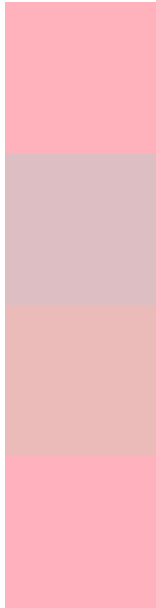
Deuteranopia

80, 12.464, 37.487



Tritanopia
80, 30.162, 9.029

Trichromacy



Original Color
80, 30.036, 12.011

Protanomaly
80, 11.459, 9.656

Deuteranomaly
80, 18.491, 22.508

Tritanomaly
80, 30.110, 10.020

Monochromacy



Original Color
80, 30.036, 12.011

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, 30.036, 12.011 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, 178, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 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, 178, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.036, 12.011 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, 178, 188) }
```

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

```
.border{ border-color:rgb(255, 178, 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, 178, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.036, 12.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 188) }
```

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

```
.background{ background-color: rgb(255,  
178, 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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