

Converting Colors

CIELCh(80, 30.474, 21.688)

Have a look what the booklet for
CIELCh(80, 30.474, 21.688) contains.

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Color

CIELCh(80, 30.190, 20.987)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3B4
RGB	255, 179, 180
RGB Percent	100%, 70%, 71%
CMY	0.0000, 0.3000, 0.2961
CMYK	0.00, 0.30, 0.30, 0.00
HSL	359°, 100%, 85%
HSV	359°, 30%, 100%
XYZ	65.6504, 56.6813, 50.3940
YIQ	201.8380, 44.9750, 16.4230

Conversions

Conversions Part 2

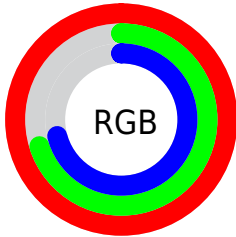
Format	Color
R _Y B	255, 179, 180
Decimal	16757684
CIE Lab	80.00, 28.19, 10.81
CIE LCh	80, 30.190, 20.987
Yxy	56.6813, 0.3801, 0.3282
Android (android.graphics.Color)	4294947764 (0xFFFFB3B4)
YUV	201.8380, -10.7661, 46.6231
Hunter-Lab	75.2870, 23.9001, 13.0146

Details

The CIELCh color **80, 30.190, 20.987** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 24.476, 196.705**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 7.210, 15.746**, and **60, 29.770, 21.634** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.364, 22.424**, and if you desaturate by 10%, it is **86, 19.241, 19.837**.

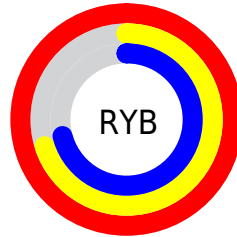
Distribution



Red (100%)

Green (70%)

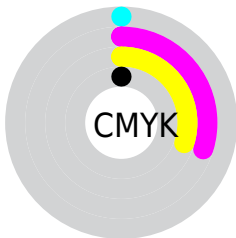
Blue (71%)



Red (100%)

Yellow (70%)

Blue (71%)

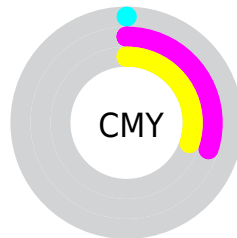


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.190, 20.987 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, 30.190, 20.987 by changing the saturation by 10% instead.

 80, 30.190, 20.987

 80, 30.190, 20.987

 100, 30.190,
20.987

 70, 30.190, 20.987

 60, 30.190, 20.987

 50, 30.190, 20.987

 40, 30.190, 20.987

 30, 30.190, 20.987

 20, 30.190, 20.987

 10, 30.190, 20.987

 0, 30.190, 20.987

 80, 30.190, 20.987

 80, 30.190, 20.987

74, 41.364, 22.424

86, 19.241, 19.837

68, 53.266, 24.326

93, 9.252, 18.937

63, 65.388, 26.787

100, 0.012,
296.813

59, 77.331, 29.883

56, 88.552, 33.520

54, 98.058, 37.163

53, 104.058,
39.642

53, 104.060,
39.642

Harmonies

Complementary

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



80, 30.190, 20.987



95, 24.476, 196.705

Rectangle

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



80, 30.190, 20.987



80, 30.190, 70.987



80, 30.190, 200.987



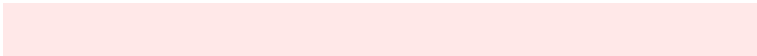
80, 30.190, 250.987

Sweetspot

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



80, 29.968, 20.965



94, 8.298, 18.854



82, 47.675, 325.603



49, 5.799, 18.976



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, 29.968, 20.965



76, 36.739, 21.795



89, 24.890, 69.905



49, 5.252, 18.896



40, 83.639, 39.489



10, 33.259, 26.662

Inverse Universe

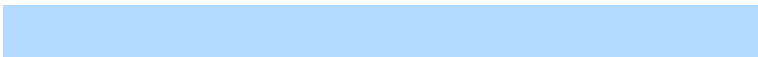
The Inverse Universe completely reimagines the original color for something new.



80, 29.968, 20.965



76, 36.739, 21.795



85, 22.684, 258.314



49, 5.252, 18.896



40, 83.639, 39.489



10, 33.259, 26.662

Previews

White Background



This preview shows how the CIELCh color 80, 30.190, 20.987 looks on a white background.

Color Contrast Check

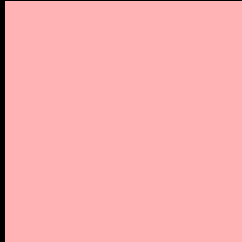
Large Text (above 18pt) WCAG AA × Fail

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, 30.190, 20.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

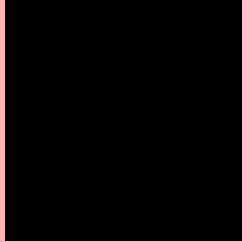
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 30.190, 20.987

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.190, 20.987.



This preview shows how white text looks on a background with the CIELCh color 80, 30.190, 20.987.

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, 29.755, 20.924

Protanopia

80, 4.783, 81.812

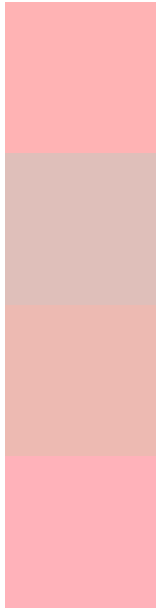
Deuteranopia

80, 15.597, 48.560



Tritanopia
80, 30.573, 9.252

Trichromacy



Original Color
80, 29.755, 20.924

Protanomaly
80, 12.535, 32.457

Deuteranomaly
80, 20.462, 32.796

Tritanomaly
80, 30.001, 14.009

Monochromacy



Original Color
80, 29.755, 20.924

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 10.553, 20.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.190, 20.987 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, 179, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 180)  
}
```

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, 179, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.190, 20.987 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, 179, 180) }
```

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

```
.border{ border-color:rgb(255, 179, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.190, 20.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 180) }
```

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

```
.background{ background-color: rgb(255,  
179, 180) }
```

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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