

# Converting Colors

CIELCh(81, 28.657, 17.244)

Have a look what the booklet for  
CIELCh(81, 28.657, 17.244) contains.

<b>CIELCh(81, 28.335, 17.579)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(81, 28.335, 17.579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6BA
RGB	255, 182, 186
RGB Percent	100%, 71%, 73%
CMY	0.0000, 0.2850, 0.2693
CMYK	0.00, 0.28, 0.27, 0.00
HSL	357°, 100%, 86%
HSV	357°, 28%, 100%
XYZ	67.0573, 58.4711, 54.3834
YIQ	204.2830, 42.2240, 16.7200

# Conversions

## Conversions Part 2

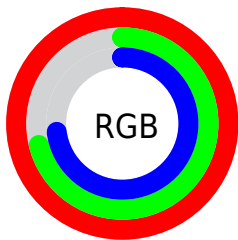
Format	Color
R <sub>Y</sub> B	255, 182, 186
Decimal	16758458
CIE Lab	81.00, 27.01, 8.56
CIE LCh	81, 28.335, 17.579
Yxy	58.4711, 0.3727, 0.3250
Android (android.graphics.Color)	4294948538 (0xFFFFB6BA)
YUV	204.2830, -9.0135, 44.4788
Hunter-Lab	76.4664, 22.7195, 11.3590

# Details

The CIELCh color **81, 28.335, 17.579** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 23.660, 192.939**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 6.408, 1.133**, and **61, 28.183, 18.027** is the 20% darker color. If you saturate the color by 10%, you get **75, 39.311, 19.038**, and if you desaturate by 10%, it is **87, 17.680, 16.376**.

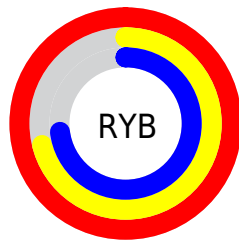
# Distribution



Red (100%)

Green (71%)

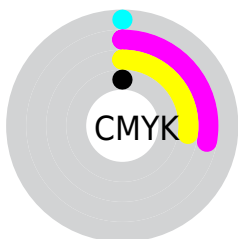
Blue (73%)



Red (100%)

Yellow (71%)

Blue (73%)

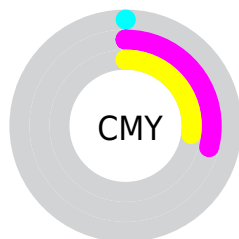


Cyan (0%)

Magenta (28%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (27%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 28.335, 17.579 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 81, 28.335, 17.579 by changing the saturation by 10% instead.



 81, 28.335, 17.579

 81, 28.335, 17.579

 100, 28.335,  
17.579

 71, 28.335, 17.579

 61, 28.335, 17.579

 51, 28.335, 17.579

 41, 28.335, 17.579

 31, 28.335, 17.579

 21, 28.335, 17.579

 11, 28.335, 17.579

 1, 28.335, 17.579

 0, 28.335, 17.579

81, 28.335, 17.579

81, 28.335, 17.579

75, 39.311, 19.038

87, 17.680, 16.376

69, 50.858, 20.947

94, 7.835, 15.407

64, 62.554, 23.404

100, 0.012,  
296.813

60, 74.025, 26.520

56, 84.839, 30.307

54, 94.430, 34.476

53, 101.645,  
38.112

53, 102.459,  
38.484

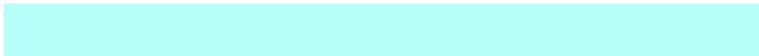
# Harmonies

# Complementary

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



81, 28.335, 17.579



95, 23.660, 192.939

# Rectangle

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



81, 28.335, 17.579



81, 28.335, 67.579



81, 28.335, 197.579



81, 28.335, 247.579

# Sweetspot

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



81, 28.196, 17.551



94, 8.312, 15.453



82, 44.731, 324.080



49, 5.806, 15.587



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 28.196, 17.551



78, 34.244, 18.323



88, 23.154, 64.684



50, 5.260, 15.499



40, 81.934, 37.927



10, 32.927, 24.968





# Inverse Universe

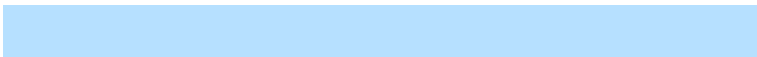
The Inverse Universe completely reimagines the original color for something new.



81, 28.196, 17.551



78, 34.244, 18.323



87, 20.679, 252.055



50, 5.260, 15.499



40, 81.934, 37.927

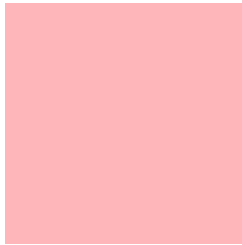


10, 32.927, 24.968



# Previews

## White Background



This preview shows how the CIELCh color 81, 28.335, 17.579 looks on a white background.

## Color Contrast Check

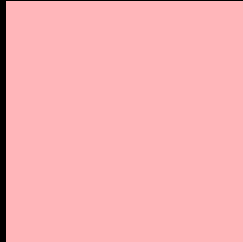
Large Text (above 18pt) WCAG AA × Fail

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 81, 28.335, 17.579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

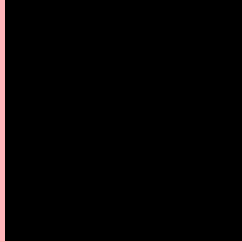
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 81, 28.335, 17.579**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 81, 28.335, 17.579.



This preview shows how white text looks on a background with the CIELCh color 81, 28.335, 17.579.

# 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

81, 28.335, 17.579

### Protanopia

81, 3.211, 74.717

### Deuteranopia

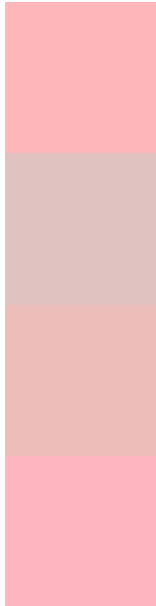
81, 13.798, 42.698



**Tritanopia**  
81, 29.009, 7.311



# Trichromacy



**Original Color**  
81, 28.335, 17.579

**Protanomaly**  
81, 11.406, 25.543

**Deuteranomaly**  
81, 18.382, 29.002

**Tritanomaly**  
81, 28.828, 10.399

# Monochromacy



**Original Color**  
81, 28.335, 17.579

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 9.741, 17.016

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 28.335, 17.579 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, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 186)  
}
```

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, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 28.335, 17.579 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, 182, 186) }
```

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

```
.border{ border-color:rgb(255, 182, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 28.335, 17.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 186) }
```

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

```
.background{ background-color: rgb(255,  
182, 186) }
```

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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