

# Converting Colors

CIELCh(87, 50.593, 13.710)

Have a look what the booklet for  
CIELCh(87, 50.593, 13.710) contains.

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# Color

**CIELCh(81, 29.675, 4.559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB5C6
RGB	255, 181, 198
RGB Percent	100%, 71%, 78%
CMY	0.0000, 0.2909, 0.2242
CMYK	0.00, 0.29, 0.22, 0.00
HSL	346°, 100%, 85%
HSV	346°, 29%, 100%
XYZ	68.2252, 58.4711, 61.0091
YIQ	205.0640, 38.6470, 20.9750

# Conversions

## Conversions Part 2

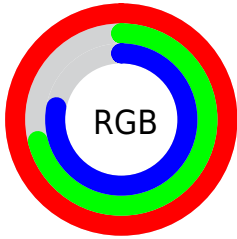
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 181, 198
Decimal	16758214
CIE Lab	81.00, 29.58, 2.36
CIE LCh	81, 29.675, 4.559
Yxy	58.4711, 0.3635, 0.3115
Android (android.graphics.Color)	4294948294 (0xFFFFB5C6)
YUV	205.0640, -3.4826, 43.7939
Hunter-Lab	76.4664, 25.4459, 6.2216

# Details

The CIELCh color  $81, 29.675, 4.559$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $95, 26.257, 178.255$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $96, 11.228, 324.804$ , and  $61, 29.471, 4.218$  is the 20% darker color. If you saturate the color by 10%, you get  $75, 40.089, 5.928$ , and if you desaturate by 10%, it is  $87, 18.856, 2.998$ .

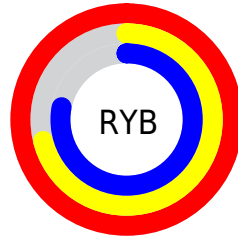
# Distribution



Red (100%)

Green (71%)

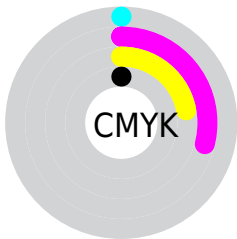
Blue (78%)



Red (100%)

Yellow (71%)

Blue (78%)

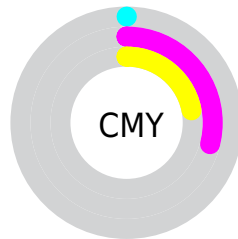


Cyan (0%)

Magenta (29%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (29%)

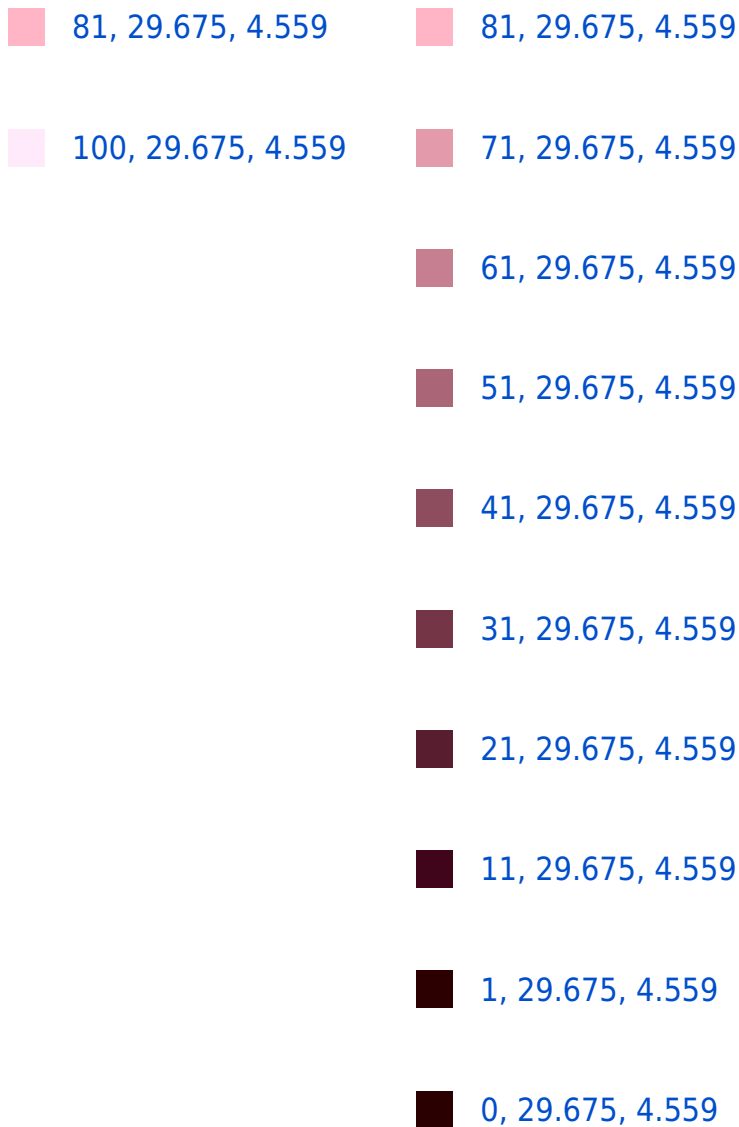
Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 29.675, 4.559 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, 29.675, 4.559 by changing the saturation by 10% instead.





81, 29.675, 4.559

81, 29.675, 4.559

75, 40.089, 5.928

87, 18.856, 2.998

69, 50.813, 7.906

94, 8.765, 1.854

64, 61.144, 10.394

100, 0.012,  
296.813

60, 70.633, 13.552

57, 78.889, 17.538

55, 85.769, 22.412

54, 91.569, 27.908

54, 92.100, 28.391

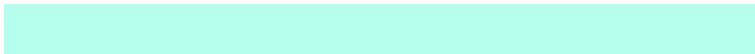
# Harmonies

# Complementary

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



81, 29.675, 4.559



95, 26.257, 178.255

# Rectangle

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



81, 29.675, 4.559



81, 29.675, 54.559



81, 29.675, 184.559



81, 29.675, 234.559

# Sweetspot

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



81, 29.349, 4.326



94, 8.678, 1.844



81, 43.846, 319.082



49, 6.052, 2.004



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, 29.349, 4.326



77, 35.683, 5.234



85, 23.941, 46.173



50, 5.489, 1.900



40, 73.553, 27.331



10, 31.815, 17.192





# Inverse Universe

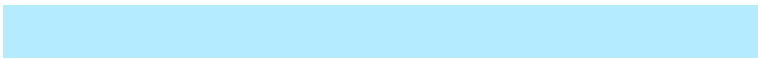
The Inverse Universe completely reimagines the original color for something new.



81, 29.349, 4.326



77, 35.683, 5.234



90, 19.841, 229.852



50, 5.489, 1.900



40, 73.553, 27.331

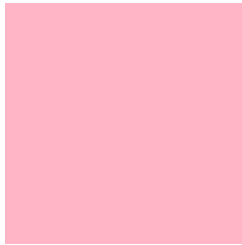


10, 31.815, 17.192



# Previews

## White Background



This preview shows how the CIELCh color 81, 29.675, 4.559 looks on a white background.

## Color Contrast Check

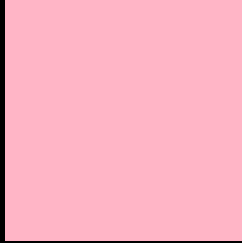
Large Text (above 18pt) WCAG AA × Fail

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, 29.675, 4.559 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, 29.675, 4.559

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 29.675, 4.559.



This preview shows how white text looks on a background with the CIELCh color 81, 29.675, 4.559.

# 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, 29.280, 4.274

### Protanopia

81, 4.924, 303.269

### Deuteranopia

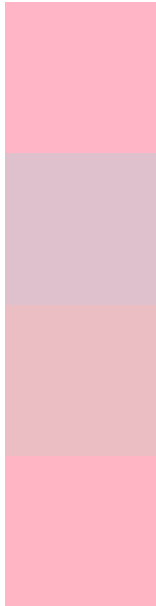
81, 10.531, 20.183



**Tritanopia**  
81, 29.009, 7.311



# Trichromacy



**Original Color**  
81, 29.280, 4.274

**Protanomaly**  
81, 12.463, 349.739

**Deuteranomaly**  
81, 17.280, 10.285

**Tritanomaly**  
81, 29.090, 6.292

# Monochromacy



**Original Color**  
81, 29.280, 4.274

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 10.522, 2.693

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 29.675, 4.559 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, 181, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 198)  
}
```

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, 181, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 29.675, 4.559 is called "border". The border property can be set on classes, ids or directly on the HTML element.

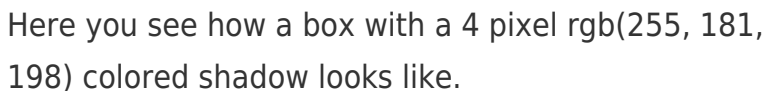
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 181, 198) }
```

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

```
.border{ border-color:rgb(255, 181, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 181, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 181, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 181, 198); box-shadow:4px 4px 4px 4px rgb(255, 181, 198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 29.675, 4.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 198) }
```

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

```
.background{ background-color: rgb(255,  
181, 198) }
```

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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