

# Converting Colors

CIELCh(83, 44.453, 15.966)

Have a look what the booklet for  
CIELCh(83, 44.453, 15.966) contains.

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# **Color**

**CIELCh(79, 31.319, 11.600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEAEB9
RGB	254, 174, 185
RGB Percent	100%, 68%, 73%
CMY	0.0036, 0.3170, 0.2739
CMYK	0.00, 0.31, 0.27, 0.00
HSL	352°, 98%, 84%
HSV	352°, 31%, 100%
XYZ	64.8435, 54.9284, 53.1710
YIQ	199.1740, 44.1490, 20.3810

# Conversions

## Conversions Part 2

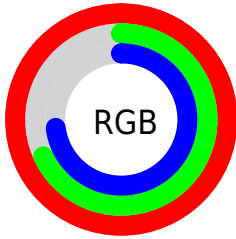
Format	Color
<a href="#">RYB</a>	<a href="#">254, 174, 185</a>
Decimal	<a href="#">16690873</a>
CIELab	<a href="#">79.00, 30.68, 6.30</a>
CIELCh	<a href="#">79, 31.319, 11.600</a>
Yxy	<a href="#">54.9284, 0.3749, 0.3176</a>
Android (android.graphics.Color)	<a href="#">4294880953 (0xFFFEAEB9)</a>
YUV	<a href="#">199.1740, -6.9878, 48.0824</a>
Hunter-Lab	<a href="#">74.1137, 26.4741, 9.3435</a>

# Details

The CIELCh color **79, 31.319, 11.600** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **94, 26.696, 185.429**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 10.589, 347.843**, and **59, 31.330, 11.918** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.227, 13.293**, and if you desaturate by 10%, it is **85, 20.786, 10.241**.

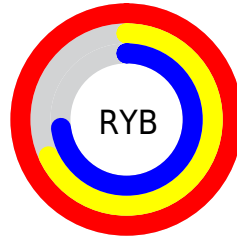
# Distribution



Red (100%)

Green (68%)

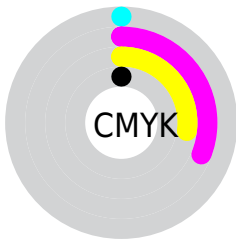
Blue (73%)



Red (100%)

Yellow (68%)

Blue (73%)

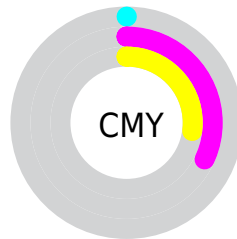


Cyan (0%)

Magenta (31%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 31.319, 11.600 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 79, 31.319, 11.600 by changing the saturation by 10% instead.



79, 31.319, 11.600

79, 31.319, 11.600

100, 31.319,  
11.600

69, 31.319, 11.600

99, 31.319, 11.600

59, 31.319, 11.600

49, 31.319, 11.600

39, 31.319, 11.600

29, 31.319, 11.600

19, 31.319, 11.600

9, 31.319, 11.600

0, 31.319, 11.600

79, 31.319, 11.600

79, 31.319, 11.600

73, 42.227, 13.293

85, 20.786, 10.241

67, 53.277, 15.424

92, 10.771, 9.108

63, 64.119, 18.137

99, 1.329, 7.771

59, 74.349, 21.571

100, 0.318,  
201.470

56, 83.624, 25.795

54, 91.732, 30.643

53, 97.644, 34.727

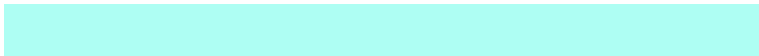
# Harmonies

# Complementary

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



79, 31.319, 11.600



94, 26.696, 185.429

# Rectangle

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



79, 31.319, 11.600



79, 31.319, 61.600



79, 31.319, 191.600



79, 31.319, 241.600

# Sweetspot

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



79, 31.316, 11.604



94, 8.424, 8.850



80, 48.203, 321.740



49, 5.880, 9.002



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 31.316, 11.604



75, 38.540, 12.667



85, 25.549, 55.178



50, 5.330, 8.903



40, 78.112, 33.853



10, 32.356, 21.542





# Inverse Universe

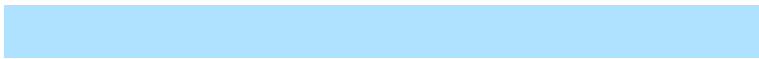
The Inverse Universe completely reimagines the original color for something new.



79, 31.316, 11.604



75, 38.540, 12.667



87, 21.532, 241.699



50, 5.330, 8.903



40, 78.112, 33.853



10, 32.356, 21.542



# Previews

## White Background



This preview shows how the CIELCh color 79, 31.319, 11.600 looks on a white background.

## Color Contrast Check

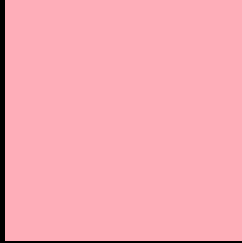
Large Text (above 18pt) WCAG AA × Fail

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 79, 31.319, 11.600 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 79, 31.319, 11.600

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 31.319, 11.600.

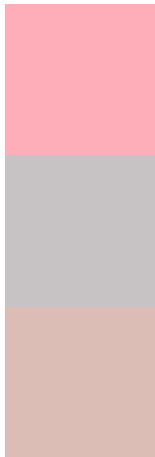


This preview shows how white text looks on a background with the CIELCh color 79, 31.319, 11.600.

# 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

79, 31.352, 11.617

### Protanopia

79, 1.831, 343.593

### Deuteranopia

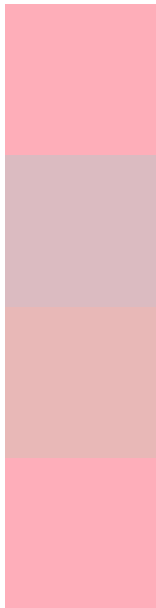
79, 12.508, 37.488



**Tritanopia**  
79, 31.429, 9.706



# Trichromacy



**Original Color**  
79, 31.352, 11.617

**Protanomaly**  
79, 12.448, 5.584

**Deuteranomaly**  
79, 18.555, 22.531

**Tritanomaly**  
79, 31.386, 10.660

# Monochromacy



**Original Color**  
79, 31.352, 11.617

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 11.095, 9.260

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 31.319, 11.600 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(254, 174, 185)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 185)  
}
```

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(254, 174, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 185) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 31.319, 11.600 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(254, 174, 185) }
```

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

```
.border{ border-color:rgb(254, 174, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 174, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 185);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
185) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 31.319, 11.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 185) }
```

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

```
.background{ background-color: rgb(254,  
174, 185) }
```

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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