

# Converting Colors

CIELCh(76, 27.136, 2.849)

Have a look what the booklet for  
CIELCh(76, 27.136, 2.849) contains.

<b>CIELCh(76, 27.052, 2.401)</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(76, 27.052, 2.401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECA9BA
RGB	236, 169, 186
RGB Percent	93%, 66%, 73%
CMY	0.0736, 0.3364, 0.2697
CMYK	0.00, 0.28, 0.21, 0.07
HSL	345°, 64%, 80%
HSV	345°, 28%, 93%
XYZ	57.7876, 49.8872, 53.1628
YIQ	190.9710, 34.4750, 19.4910

# Conversions

## Conversions Part 2

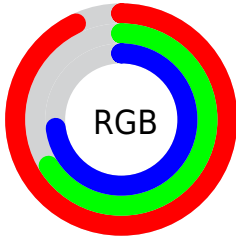
Format	Color
R <sub>Y</sub> B	236, 169, 186
Decimal	15509946
CIE Lab	76.00, 27.03, 1.13
CIE LCh	76, 27.052, 2.401
Yxy	49.8872, 0.3593, 0.3102
Android (android.graphics.Color)	4293700026 (0xFFECA9BA)
YUV	190.9710, -2.4507, 39.4904
Hunter-Lab	70.6309, 22.4380, 4.8150

# Details

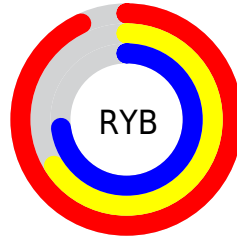
The CIELCh color **76, 27.052, 2.401** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **89, 24.491, 176.501**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 13.853, 341.133**, and **56, 27.176, 2.149** is the 20% darker color. If you saturate the color by 10%, you get **70, 37.133, 3.957**, and if you desaturate by 10%, it is **82, 17.172, 1.107**.

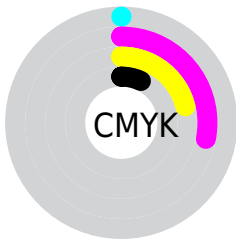
# Distribution



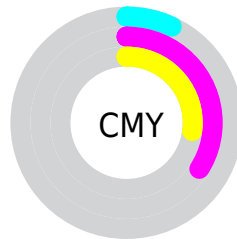
- Red (93%)
- Green (66%)
- Blue (73%)



- Red (93%)
- Yellow (66%)
- Blue (73%)



- Cyan (0%)
- Magenta (28%)
- Yellow (21%)
- Black (7%)




- Cyan (7%)
- Magenta (34%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 27.052, 2.401 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 76, 27.052, 2.401 by changing the saturation by 10% instead.



 76, 27.052, 2.401       76, 27.052, 2.401

 100, 27.052, 2.401       66, 27.052, 2.401

 96, 27.052, 2.401       56, 27.052, 2.401

 46, 27.052, 2.401

 36, 27.052, 2.401

 26, 27.052, 2.401

 16, 27.052, 2.401

 6, 27.052, 2.401

 0, 27.052, 2.401

 76, 27.052, 2.401       76, 27.052, 2.401

70, 37.133, 3.957

82, 17.172, 1.107

65, 47.177, 5.860

88, 7.648, 359.977

60, 56.826, 8.240

95, 1.452, 179.496

56, 65.649, 11.255

99, 6.434, 199.101

53, 73.254, 15.071

51, 79.475, 19.792

50, 84.579, 25.260

50, 85.417, 26.138

# Harmonies

# Complementary

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



76, 27.052, 2.401



89, 24.491, 176.501

# Rectangle

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



76, 27.052, 2.401



76, 27.052, 52.401



76, 27.052, 182.401



76, 27.052, 232.401

# Sweetspot

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



76, 27.049, 2.404



94, 8.767, 0.050



76, 39.878, 318.005



49, 6.113, 0.210



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 27.049, 2.404



78, 34.817, 3.264



79, 22.188, 42.643



46, 5.177, 0.097



38, 69.457, 25.075



7, 27.827, 11.896





# Inverse Universe

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



76, 27.049, 2.404



78, 34.817, 3.264



85, 18.347, 225.213



46, 5.177, 0.097



38, 69.457, 25.075



7, 27.827, 11.896



# Previews

## White Background



This preview shows how the CIELCh color 76, 27.052, 2.401 looks on a white background.

## Color Contrast Check

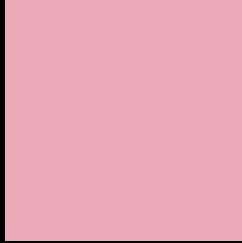
Large Text (above 18pt) WCAG AA × Fail

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 76, 27.052, 2.401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

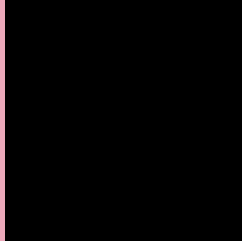
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 27.052, 2.401

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 27.052, 2.401.



This preview shows how white text looks on a background with the CIELCh color 76, 27.052, 2.401.

# 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


76, 27.052, 2.401

### Protanopia

76, 4.914, 299.145

### Deuteranopia

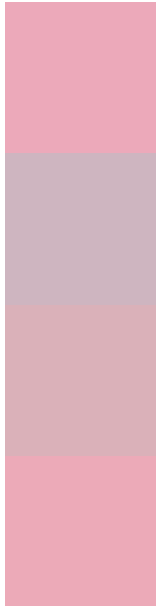
76, 9.538, 13.719



**Tritanopia**  
76, 26.229, 6.556



# Trichromacy



**Original Color**  
76, 27.052, 2.401

**Protanomaly**  
76, 11.057, 348.060

**Deuteranomaly**  
76, 16.172, 5.491

**Tritanomaly**  
76, 26.320, 5.418

# Monochromacy



**Original Color**  
76, 27.052, 2.401

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 9.576, 0.586

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 27.052, 2.401 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(236, 169, 186)` looks like.

```
.text, #text, p{  
    color:rgb(236, 169, 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(236, 169, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 169, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 27.052, 2.401 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(236, 169, 186) }
```

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

```
.border{ border-color:rgb(236, 169, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 169, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 169, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 169, 186);  
box-shadow:4px 4px 4px 4px rgb(236, 169,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 27.052, 2.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 169, 186) }
```

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

```
.background{ background-color: rgb(236,  
169, 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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