

# Converting Colors

CIELCh(76, 4.932, 171.166)

Have a look what the booklet for  
CIELCh(76, 4.932, 171.166) contains.

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# Color

**CIELCh(76, 4.927, 173.214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2BEBA
RGB	178, 190, 186
RGB Percent	70%, 75%, 73%
CMY	0.3016, 0.2546, 0.2703
CMYK	0.06, 0.00, 0.02, 0.25
HSL	160°, 8%, 72%
HSV	160°, 6%, 75%
XYZ	45.6829, 49.8872, 53.7228
YIQ	185.9560, -5.8680, -3.7880

# Conversions

## Conversions Part 2

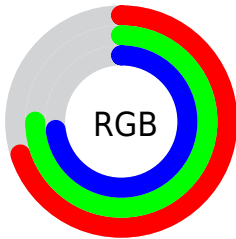
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 185, 190
Decimal	11714234
CIELab	76.00, -4.89, 0.58
CIELCh	76, 4.927, 173.214
Yxy	49.8872, 0.3060, 0.3342
Android (android.graphics.Color)	4289904314 (0xFFB2BEBA)
YUV	185.9560, 0.0217, -6.9774
Hunter-Lab	70.6309, -8.1533, 4.3448

# Details

The CIELCh color  $76, 4.927, 173.214$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $74, 5.013, 354.171$ , and the grayscale version is  $76, 0.009, 296.813$ .

A 20% lighter version of the original color is  $96, 4.695, 173.363$ , and  $56, 5.228, 172.985$  is the 20% darker color. If you saturate the color by 10%, you get  $75, 12.657, 172.194$ , and if you desaturate by 10%, it is  $78, 2.892, 353.844$ .

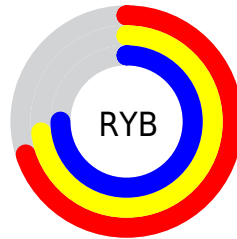
# Distribution



Red (70%)

Green (75%)

Blue (73%)



Red (70%)

Yellow (73%)

Blue (75%)

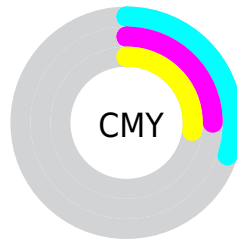


Cyan (6%)

Magenta (0%)

Yellow (2%)

Black (25%)



Cyan (30%)

Magenta (25%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 4.927, 173.214 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, 4.927, 173.214 by changing the saturation by 10% instead.



■ 76, 4.927, 173.214

■ 76, 4.927, 173.214

■ 100, 4.927,  
173.214

■ 66, 4.927, 173.214

■ 96, 4.927, 173.214

■ 56, 4.927, 173.214

■ 46, 4.927, 173.214

■ 36, 4.927, 173.214

■ 26, 4.927, 173.214

■ 16, 4.927, 173.214

■ 6, 4.927, 173.214

■ 0, 4.927, 173.214

■ 76, 4.927, 173.214

■ 76, 4.927, 173.214

75, 12.657,  
172.194

78, 2.892, 353.844

73, 20.191,  
171.147

79, 10.720,  
354.789

72, 27.414,  
170.013

81, 18.493,  
355.592

71, 34.196,  
168.764

83, 26.160,  
356.343

70, 40.411,  
167.378

84, 27.790,  
350.315

70, 45.945,  
165.830

84, 29.455,  
344.629

69, 50.721,  
164.095

84, 31.397,  
339.635

69, 54.713,  
162.159

84, 33.568,  
335.294

68, 57.980,

84, 35.922,  
331.539



# Harmonies

# Complementary

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



76, 4.927, 173.214



74, 5.013, 354.171

# Rectangle

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



76, 4.927, 173.214



76, 4.927, 223.214



76, 4.927, 353.214



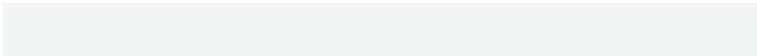
76, 4.927, 43.214

# Sweetspot

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



76, 4.929, 173.203



97, 1.932, 173.782



76, 7.098, 133.892



52, 1.107, 173.806



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



76, 4.929, 173.203



96, 7.727, 173.015



76, 3.817, 214.007



39, 4.391, 172.892



58, 51.277, 159.586



9, 14.639, 165.774



# Inverse Universe

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



74, 5.013, 354.171



92, 7.891, 354.366



74, 3.970, 33.734



37, 4.497, 354.494



33, 60.282, 17.293



3, 12.977, 0.916



# Previews

## White Background



This preview shows how the CIELCh color 76, 4.927, 173.214 looks on a white background.

## Color Contrast Check

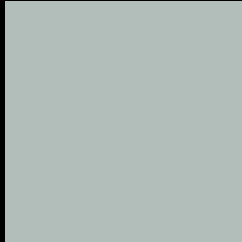
Large Text (above 18pt) WCAG AA × Fail

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 76, 4.927, 173.214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

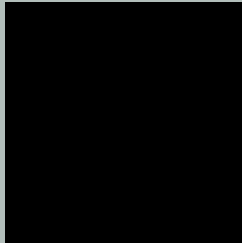
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

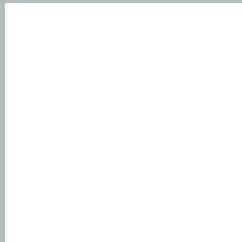
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 76, 4.927, 173.214

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 4.927, 173.214.



This preview shows how white text looks on a background with the CIELCh color 76, 4.927, 173.214.

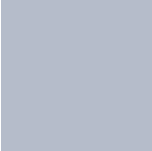
# Color Blindness Simulation

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







**Tritanopia**  
76, 7.888, 272.517

# Trichromacy



**Original Color**  
76, 4.927, 173.214

**Protanomaly**  
76, 1.133, 129.122

**Deuteranomaly**  
76, 4.424, 358.293

**Tritanomaly**  
76, 4.920, 249.409

# Monochromacy



**Original Color**  
76, 4.927, 173.214

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 1.574, 179.625

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 4.927, 173.214 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(178, 190, 186)` looks like.

```
.text, #text, p{  
    color:rgb(178, 190, 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(178, 190, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 190, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 4.927, 173.214 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(178, 190, 186) }
```

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

```
.border{ border-color:rgb(178, 190, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 190, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 190, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 190, 186);  
box-shadow:4px 4px 4px 4px rgb(178, 190,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 4.927, 173.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 190, 186) }
```

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

```
.background{ background-color: rgb(178,  
190, 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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