

# Converting Colors

CIELCh(76, 9.062, 240.004)

Have a look what the booklet for  
CIELCh(76, 9.062, 240.004) contains.

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# Color

**CIELCh(76, 9.313, 238.616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABFCA
RGB	170, 191, 202
RGB Percent	67%, 75%, 79%
CMY	0.3345, 0.2522, 0.2091
CMYK	0.16, 0.05, 0.00, 0.21
HSL	201°, 23%, 73%
HSV	201°, 16%, 79%
XYZ	45.6978, 49.8872, 62.9027
YIQ	185.9750, -16.0470, -1.0310

# Conversions

## Conversions Part 2

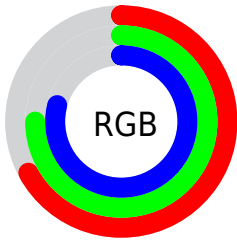
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 183, 202
Decimal	11190218
CIE Lab	76.00, -4.85, -7.95
CIE LCh	76, 9.313, 238.616
Yxy	49.8872, 0.2883, 0.3148
Android (android.graphics.Color)	4289380298 (0xFFAABFCA)
YUV	185.9750, 7.9003, -14.0101
Hunter-Lab	70.6309, -8.1156, -3.3611

# Details

The CIELCh color  $76, 9.313, 238.616$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $75, 10.087, 55.641$ , and the grayscale version is  $75, 0.009, 296.813$ .

A 20% lighter version of the original color is  $96, 8.139, 229.412$ , and  $56, 9.426, 236.370$  is the 20% darker color. If you saturate the color by 10%, you get  $73, 14.860, 239.897$ , and if you desaturate by 10%, it is  $79, 3.506, 237.635$ .

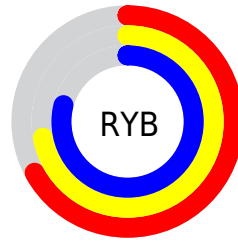
# Distribution



Red (67%)

Green (75%)

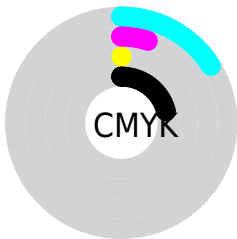
Blue (79%)



Red (67%)

Yellow (72%)

Blue (79%)

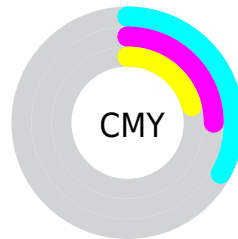


Cyan (16%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (25%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 9.313, 238.616 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, 9.313, 238.616 by changing the saturation by 10% instead.



■ 76, 9.313, 238.616

■ 76, 9.313, 238.616

■ 100, 9.313,  
238.616

■ 66, 9.313, 238.616

■ 96, 9.313, 238.616

■ 56, 9.313, 238.616

■ 46, 9.313, 238.616

■ 36, 9.313, 238.616

■ 26, 9.313, 238.616

■ 16, 9.313, 238.616

■ 6, 9.313, 238.616

■ 0, 9.313, 238.616

■ 76, 9.313, 238.616

■ 76, 9.313, 238.616

73, 14.860,  
239.897

79, 3.506, 237.635

70, 20.088,  
241.519

83, 2.503, 56.450

67, 24.938,  
243.540

86, 8.666, 55.895

64, 29.365,  
246.042

89, 14.941, 55.353

61, 33.346,  
249.109

91, 16.664, 66.688

58, 36.904,  
252.810

93, 17.953, 80.232

56, 40.119,  
257.162

95, 20.094, 91.351

54, 43.138,  
262.090

97, 22.834, 99.992

53, 44.415,

98, 25.969,  
106.593



# Harmonies

# Complementary

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



76, 9.313, 238.616



75, 10.087, 55.641

# Rectangle

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



76, 9.313, 238.616



76, 9.313, 288.616



76, 9.313, 58.616



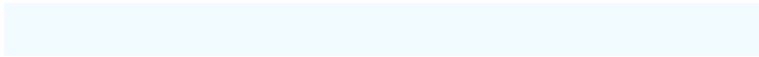
76, 9.313, 108.616

# Sweetspot

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



76, 9.313, 238.605



98, 3.623, 237.582



78, 16.467, 154.494



52, 2.469, 237.629



0, 0.000, 0.000



53, 0.007, 296.813



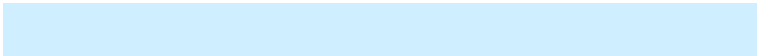


# Same Dimension

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



76, 9.313, 238.605



92, 13.401, 239.011



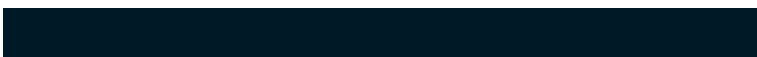
72, 14.607, 284.281



41, 3.403, 237.932



44, 38.050, 263.346



8, 12.538, 251.745



# Inverse Universe

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



73, 16.486, 337.236



88, 23.936, 337.504



79, 14.299, 100.568



40, 5.922, 336.738



36, 65.233, 348.010

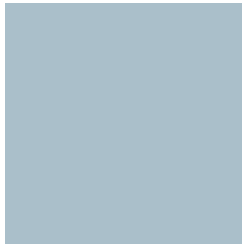


4, 21.980, 343.476



# Previews

## White Background



This preview shows how the CIELCh color 76, 9.313, 238.616 looks on a white background.

## Color Contrast Check

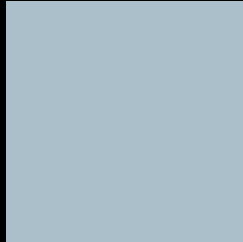
Large Text (above 18pt) WCAG AA × Fail

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, 9.313, 238.616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

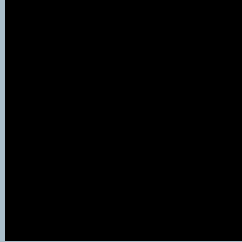
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

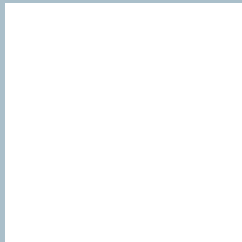
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 76, 9.313, 238.616

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 9.313, 238.616.



This preview shows how white text looks on a background with the CIELCh color 76, 9.313, 238.616.

# 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

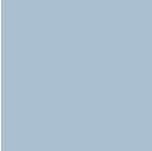


**Original Color**  
76, 9.313, 238.616

**Protanopia**  
76, 7.024, 293.778

**Deuteranopia**  
76, 12.777, 318.087





**Tritanopia**  
76, 10.508, 249.522

# Trichromacy



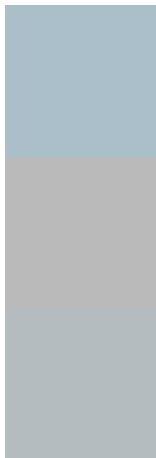
**Original Color**  
76, 9.313, 238.616

**Protanomaly**  
76, 6.881, 269.509

**Deuteranomaly**  
76, 9.785, 297.373

**Tritanomaly**  
76, 10.123, 247.395

# Monochromacy



**Original Color**  
76, 9.313, 238.616

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 3.585, 236.359

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 9.313, 238.616 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(170, 191, 202)` looks like.

```
.text, #text, p{  
    color:rgb(170, 191, 202)  
}
```

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(170, 191, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 191, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 9.313, 238.616 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(170, 191, 202) }
```

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

```
.border{ border-color:rgb(170, 191, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 191, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 191, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 191, 202); box-shadow:4px 4px 4px 4px rgb(170, 191, 202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 9.313, 238.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 191, 202) }
```

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

```
.background{ background-color: rgb(170,  
191, 202) }
```

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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