

# Converting Colors

CIELCh(75, 11.989, 259.030)

Have a look what the booklet for  
CIELCh(75, 11.989, 259.030)  
contains.

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# **Color**

**CIELCh(75, 12.016, 258.039)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8BBCE
RGB	168, 187, 206
RGB Percent	66%, 73%, 81%
CMY	0.3415, 0.2669, 0.1925
CMYK	0.18, 0.09, 0.00, 0.19
HSL	210°, 28%, 73%
HSV	210°, 18%, 81%
XYZ	45.0184, 48.2781, 65.2893
YIQ	183.4850, -17.4230, 1.8810

# Conversions

## Conversions Part 2

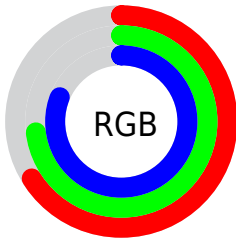
Format	Color
<a href="#">RYB</a>	<a href="#">168, 181, 206</a>
Decimal	<a href="#">11058126</a>
CIELab	<a href="#">75.00, -2.49, -11.76</a>
CIELCh	<a href="#">75, 12.016, 258.039</a>
Yxy	<a href="#">48.2781, 0.2839, 0.3044</a>
Android (android.graphics.Color)	<a href="#">4289248206</a> ( <a href="#">0xFFA8BBCE</a> )
YUV	<a href="#">183.4850, 11.0999, -13.5803</a>
Hunter-Lab	<a href="#">69.4824, -5.9422, -7.0742</a>

# Details

The CIELCh color `75, 12.016, 258.039` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77, 12.606, 73.124`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 8.804, 243.748`, and `55, 12.187, 257.439` is the 20% darker color. If you saturate the color by 10%, you get `71, 18.411, 259.807`, and if you desaturate by 10%, it is `79, 5.533, 256.565`.

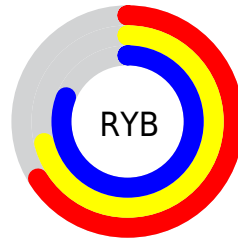
# Distribution



Red (66%)

Green (73%)

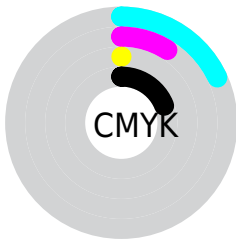
Blue (81%)



Red (66%)

Yellow (71%)

Blue (81%)

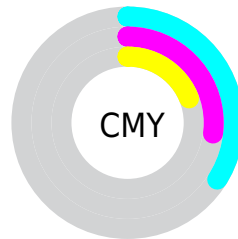


Cyan (18%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (34%)

Magenta (27%)


Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.016, 258.039 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 75, 12.016, 258.039 by changing the saturation by 10% instead.





 75, 12.016,  
258.039


 75, 12.016,  
258.039


 100, 12.016,  
258.039


 65, 12.016,  
258.039


 95, 12.016,  
258.039

 55, 12.016,  
258.039

 45, 12.016,  
258.039

 35, 12.016,  
258.039

 25, 12.016,  
258.039

 15, 12.016,  
258.039

 5, 12.016, 258.039

0, 12.016, 258.039

75, 12.016,  
258.039

75, 12.016,  
258.039

71, 18.411,  
259.807

79, 5.533, 256.565

67, 24.697,  
261.929

83, 1.009, 74.852

63, 30.860,  
264.454

88, 7.585, 74.093

59, 36.901,  
267.438

92, 14.174, 73.188

55, 42.851,  
270.915

95, 17.756, 88.260

52, 48.776,  
274.875

97, 21.826,  
102.281

99, 24.772,  
108.299

■ 48, 54.768,  
279.231

■ 45, 60.933,  
283.758

■ 44, 61.916,  
284.421

# Harmonies

# Complementary

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



75, 12.016, 258.039



77, 12.606, 73.124

# Rectangle

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



75, 12.016, 258.039



75, 12.016, 308.039



75, 12.016, 78.039



75, 12.016, 128.039

# Sweetspot

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



75, 12.015, 258.032



97, 4.679, 256.270



80, 17.397, 161.196



51, 3.102, 256.349



0, 0.000, 0.000



53, 0.007, 296.813



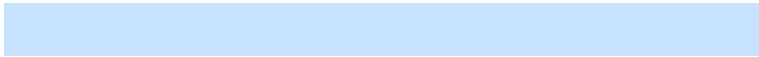


# Same Dimension

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



75, 12.015, 258.032



89, 17.001, 258.673



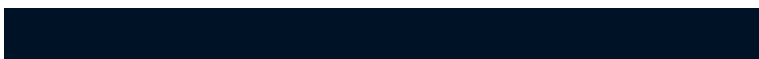
70, 20.476, 291.583



41, 3.684, 256.689



36, 51.887, 283.666



6, 15.146, 271.177



# Inverse Universe

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



73, 17.583, 345.235



86, 25.017, 345.614



82, 19.655, 107.706



40, 5.312, 344.383



35, 61.429, 1.612

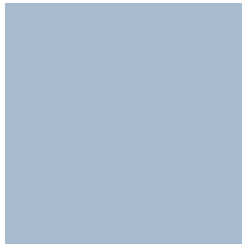


4, 19.920, 353.526



# Previews

## White Background



This preview shows how the CIELCh color 75, 12.016, 258.039 looks on a white background.

## Color Contrast Check

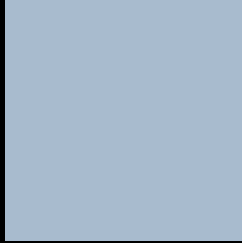
Large Text (above 18pt) WCAG AA × Fail

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 75, 12.016, 258.039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

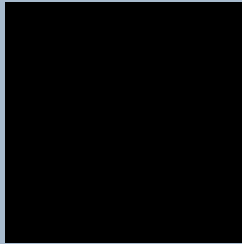
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

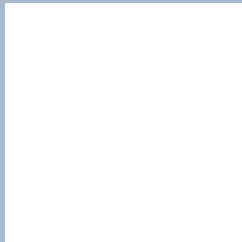
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 75, 12.016, 258.039**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 12.016, 258.039.



This preview shows how white text looks on a background with the CIELCh color 75, 12.016, 258.039.

# 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

75, 12.016, 258.039

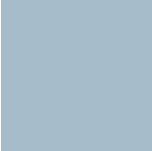
### Protanopia

75, 10.811, 289.321

### Deuteranopia

75, 15.179, 306.430





**Tritanopia**  
75, 10.366, 246.016

# Trichromacy



**Original Color**  
75, 12.016, 258.039

**Protanomaly**  
75, 11.030, 278.319

**Deuteranomaly**  
75, 12.970, 291.396

**Tritanomaly**  
75, 10.742, 248.154

# Monochromacy



**Original Color**  
75, 12.016, 258.039

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
75, 4.333, 260.419

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 12.016, 258.039 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(168, 187, 206)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 206)  
}
```

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(168, 187, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 12.016, 258.039 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(168, 187, 206) }
```

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

```
.border{ border-color:rgb(168, 187, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 187, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 206);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 12.016, 258.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 206) }
```

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

```
.background{ background-color: rgb(168,  
187, 206) }
```

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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