

# Converting Colors

CIELCh(69, 12.699, 233.094)

Have a look what the booklet for  
CIELCh(69, 12.699, 233.094)  
contains.

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# Color

**CIELCh(69, 12.699, 233.094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EADBA
RGB	142, 173, 186
RGB Percent	56%, 68%, 73%
CMY	0.4419, 0.3203, 0.2693
CMYK	0.24, 0.07, 0.00, 0.27
HSL	198°, 24%, 64%
HSV	198°, 24%, 73%
XYZ	35.1089, 39.3444, 52.3755
YIQ	165.2130, -22.6490, -2.5290

# Conversions

## Conversions Part 2

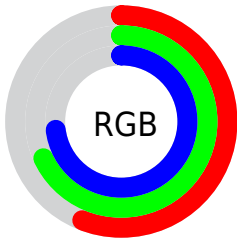
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 160, 186
Decimal	9350586
CIELab	69.00, -7.63, -10.15
CIELCh	69, 12.699, 233.094
Yxy	39.3444, 0.2768, 0.3102
Android (android.graphics.Color)	4287540666 (0xFF8EADBA)
YUV	165.2130, 10.2480, -20.3578
Hunter-Lab	62.7251, -9.8578, -5.5996

# Details

The CIELCh color  $69, 12.699, 233.094$  is a light color, and the websafe version is hex  $669999$ . A complement of this color would be  $67, 14.580, 49.581$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 12.780, 233.809$ , and  $49, 12.628, 232.617$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 17.556, 234.371$ , and if you desaturate by 10%, it is  $72, 7.504, 232.096$ .

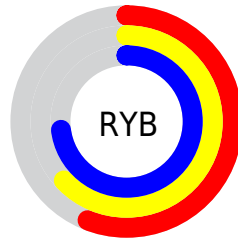
# Distribution



Red (56%)

Green (68%)

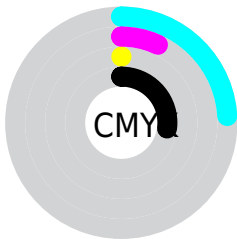
Blue (73%)



Red (56%)

Yellow (63%)

Blue (73%)

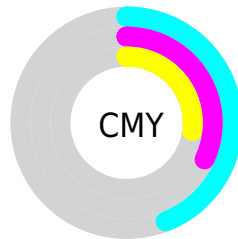


Cyan (24%)

Magenta (7%)

Yellow (0%)

Black (27%)



Cyan (44%)

Magenta (32%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 12.699, 233.094 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 69, 12.699, 233.094 by changing the saturation by 10% instead.





 69, 12.699,  
233.094


 69, 12.699,  
233.094


 100, 12.699,  
233.094


 59, 12.699,  
233.094


 89, 12.699,  
233.094

 49, 12.699,  
233.094

 99, 12.699,  
233.094

 39, 12.699,  
233.094

 29, 12.699,  
233.094

 19, 12.699,  
233.094

 9, 12.699, 233.094

 0, 12.699, 233.094

69, 12.699,  
233.094

69, 12.699,  
233.094

66, 17.556,  
234.371

72, 7.504, 232.096

64, 22.010,  
236.006

75, 2.038, 231.470

77, 3.641, 50.475

61, 26.000,  
238.072

80, 9.481, 50.066

59, 29.484,  
240.657

83, 15.439, 49.702

86, 21.480, 49.411

57, 32.454,  
243.848

88, 21.576, 57.962

55, 34.956,  
247.708

89, 21.902, 66.891

91, 22.747, 75.327

53, 37.099,  
252.237

52, 38.417,



# Harmonies

# Complementary

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



69, 12.699, 233.094



67, 14.580, 49.581

# Rectangle

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



69, 12.699, 233.094



69, 12.699, 283.094



69, 12.699, 53.094



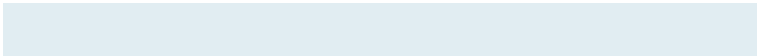
69, 12.699, 103.094

# Sweetspot

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



69, 12.699, 233.088



93, 4.841, 231.612



72, 23.888, 151.842



50, 3.167, 231.649



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



69, 12.699, 233.088



86, 18.383, 233.669



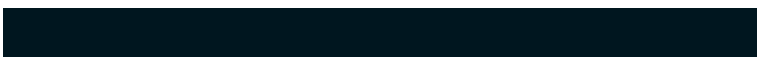
63, 19.467, 282.561



38, 3.184, 231.761



44, 33.834, 254.602



6, 9.650, 244.634



# Inverse Universe

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



64, 23.883, 335.746



79, 35.052, 336.118



72, 19.027, 96.630



37, 5.747, 334.699



35, 64.912, 344.296



3, 16.144, 339.537



# Previews

## White Background



This preview shows how the CIELCh color 69, 12.699, 233.094 looks on a white background.

## Color Contrast Check

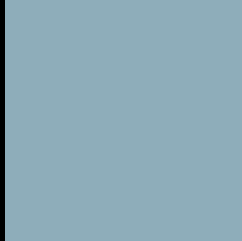
Large Text (above 18pt) WCAG AA × Fail

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 69, 12.699, 233.094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

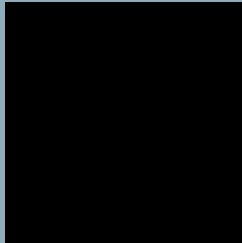
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

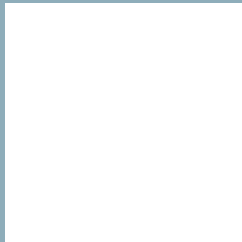
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 12.699, 233.094**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 12.699, 233.094.

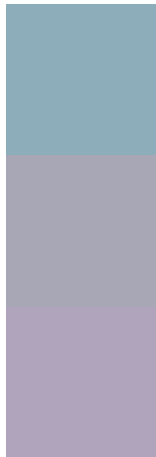


This preview shows how white text looks on a background with the CIELCh color 69, 12.699, 233.094.

# 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**  
69, 12.699, 233.094

**Protanopia**  
69, 8.248, 291.015

**Deuteranopia**  
69, 13.852, 308.195





**Tritanopia**  
69, 12.975, 235.255

# Trichromacy



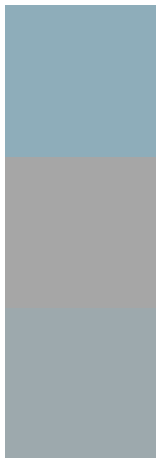
**Original Color**  
69, 12.699, 233.094

**Protanomaly**  
69, 9.046, 265.238

**Deuteranomaly**  
69, 11.061, 283.867

**Tritanomaly**  
69, 12.975, 235.255

# Monochromacy



**Original Color**  
69, 12.699, 233.094

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 4.884, 225.988

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 12.699, 233.094 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(142, 173, 186)` looks like.

```
.text, #text, p{  
    color:rgb(142, 173, 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(142, 173, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 173, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 12.699, 233.094 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(142, 173, 186) }
```

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

```
.border{ border-color:rgb(142, 173, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 173, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 173, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 173, 186);  
box-shadow:4px 4px 4px 4px rgb(142, 173,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 12.699, 233.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 173, 186) }
```

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

```
.background{ background-color: rgb(142,  
173, 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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