

# Converting Colors

CIELCh(69, 6.910, 198.058)

Have a look what the booklet for  
CIELCh(69, 6.910, 198.058) contains.

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# **Color**

**CIELCh(69, 6.954, 198.886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99ACAC
RGB	153, 172, 172
RGB Percent	60%, 67%, 67%
CMY	0.3993, 0.3248, 0.3248
CMYK	0.11, 0.00, 0.00, 0.32
HSL	180°, 10%, 64%
HSV	180°, 11%, 68%
XYZ	35.4169, 39.3444, 44.8438
YIQ	166.3190, -11.3240, -4.0280

# Conversions

## Conversions Part 2

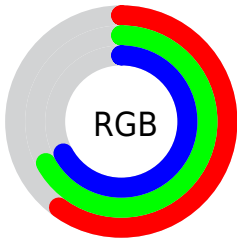
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 163, 172
Decimal	10071212
CIELab	69.00, -6.58, -2.25
CIELCh	69, 6.954, 198.886
Yxy	39.3444, 0.2961, 0.3290
Android (android.graphics.Color)	4288261292 (0xFF99ACAC)
YUV	166.3190, 2.8007, -11.6808
Hunter-Lab	62.7251, -8.9812, 1.5197

# Details

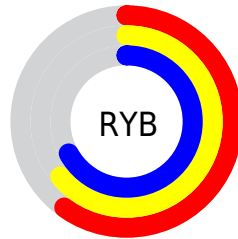
The CIELCh color  $69, 6.954, 198.886$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $65, 7.451, 20.033$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 6.987, 199.010$ , and  $49, 6.969, 198.693$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 12.877, 198.347$ , and if you desaturate by 10%, it is  $70, 0.669, 200.075$ .

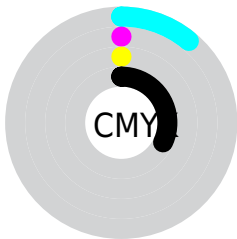
# Distribution



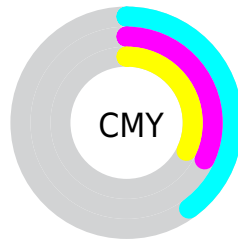
- Red (60%)
- Green (67%)
- Blue (67%)



- Red (60%)
- Yellow (64%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (40%)
- Magenta (32%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 6.954, 198.886 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, 6.954, 198.886 by changing the saturation by 10% instead.



69, 6.954, 198.886

69, 6.954, 198.886

100, 6.954,  
198.886

59, 6.954, 198.886

89, 6.954, 198.886

49, 6.954, 198.886

99, 6.954, 198.886

39, 6.954, 198.886

29, 6.954, 198.886

19, 6.954, 198.886

9, 6.954, 198.886

0, 6.954, 198.886

69, 6.954, 198.886

69, 6.954, 198.886

68, 12.877,

70, 0.669, 200.075

198.347

72, 5.890, 19.817

67, 18.335,  
197.886

73, 12.640, 20.449

66, 23.227,  
197.485

75, 19.513, 21.067

65, 27.460,  
197.143

77, 26.453, 21.688

65, 30.956,  
196.866

78, 32.820, 22.254

64, 33.669,  
196.652

78, 32.820, 22.252

64, 35.588,  
196.502

78, 32.820, 22.250

64, 36.754,  
196.411

64, 37.339,  
196.364



# Harmonies

# Complementary

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



69, 6.954, 198.886



65, 7.451, 20.033

# Rectangle

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



69, 6.954, 198.886



69, 6.954, 248.886



69, 6.954, 18.886



69, 6.954, 68.886

# Sweetspot

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



69, 6.955, 198.874



89, 2.389, 199.478



69, 12.701, 143.383



47, 1.806, 199.384



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



69, 6.955, 198.874



87, 10.101, 198.751



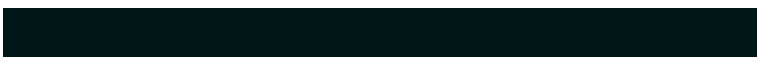
66, 6.158, 255.057



36, 3.603, 198.977



56, 33.811, 196.365



6, 7.801, 199.404



# Inverse Universe

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



65, 7.451, 20.033



81, 10.978, 20.208



67, 6.340, 72.238



34, 3.818, 19.898



31, 69.977, 39.441



2, 7.802, 19.395



# Previews

## White Background



This preview shows how the CIELCh color 69, 6.954, 198.886 looks on a white background.

## Color Contrast Check

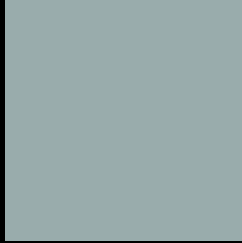
Large Text (above 18pt) WCAG AA × Fail

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 69, 6.954, 198.886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

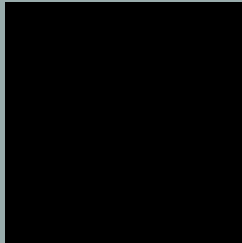
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

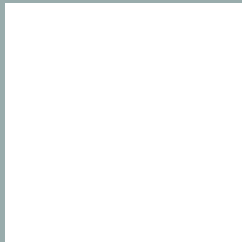
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 6.954, 198.886**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 6.954, 198.886.

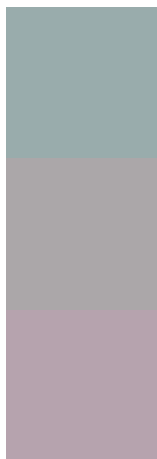


This preview shows how white text looks on a background with the CIELCh color 69, 6.954, 198.886.

# 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, 6.954, 198.886

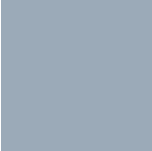
### Protanopia

69, 1.883, 343.646

### Deuteranopia

69, 9.413, 340.394





**Tritanopia**  
69, 9.247, 255.677

# Trichromacy



**Original Color**  
69, 6.954, 198.886

**Protanomaly**  
69, 1.587, 219.848

**Deuteranomaly**  
69, 4.485, 320.631

**Tritanomaly**  
69, 7.758, 238.757

# Monochromacy



**Original Color**  
69, 6.954, 198.886

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 2.616, 199.364

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 6.954, 198.886 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(153, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 172, 172)  
}
```

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(153, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 172, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 6.954, 198.886 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(153, 172, 172) }
```

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

```
.border{ border-color:rgb(153, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 172,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 6.954, 198.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 172, 172) }
```

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

```
.background{ background-color: rgb(153,  
172, 172) }
```

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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