

# Converting Colors

CIELCh(69, 6.804, 175.898)

Have a look what the booklet for  
CIELCh(69, 6.804, 175.898) contains.

<b>CIELCh(69, 6.932, 175.532)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(69, 6.932, 175.532)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9BACA7
RGB	155, 172, 167
RGB Percent	61%, 67%, 65%
CMY	0.3915, 0.3249, 0.3445
CMYK	0.10, 0.00, 0.03, 0.32
HSL	162°, 9%, 64%
HSV	162°, 10%, 68%
XYZ	35.3192, 39.3444, 42.3675
YIQ	166.3470, -8.5270, -5.1590

# Conversions

## Conversions Part 2

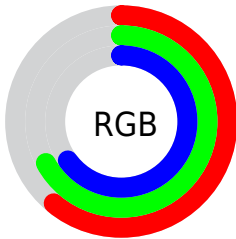
Format	Color
<b>RYB</b>	155, 165, 172
Decimal	10202279
CIELab	69.00, -6.91, 0.54
CIElCh	69, 6.932, 175.532
Yxy	39.3444, 0.3018, 0.3362
Android (android.graphics.Color)	4288392359 (0xFF9BACA7)
YUV	166.3470, 0.3219, -9.9513
Hunter-Lab	62.7251, -9.2594, 3.8603

# Details

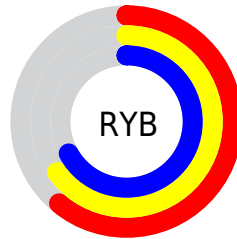
The CIELCh color  $69, 6.932, 175.532$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $66, 7.135, 357.229$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 6.592, 175.760$ , and  $49, 7.028, 173.961$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 13.818, 174.523$ , and if you desaturate by 10%, it is  $70, 0.092, 351.686$ .

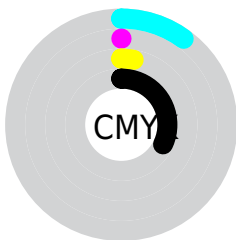
# Distribution



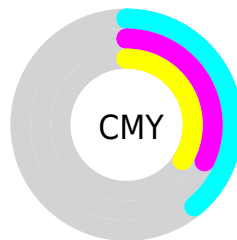
- Red (61%)
- Green (67%)
- Blue (65%)



- Red (61%)
- Yellow (65%)
- Blue (67%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (32%)



- Cyan (39%)
- Magenta (32%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 6.932, 175.532 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, 6.932, 175.532 by changing the saturation by 10% instead.



■ 69, 6.932, 175.532

■ 69, 6.932, 175.532

■ 100, 6.932,  
175.532

■ 59, 6.932, 175.532

■ 89, 6.932, 175.532

■ 49, 6.932, 175.532

■ 99, 6.932, 175.532

■ 39, 6.932, 175.532

■ 29, 6.932, 175.532

■ 19, 6.932, 175.532

■ 9, 6.932, 175.532

■ 0, 6.932, 175.532

■ 69, 6.932, 175.532

■ 69, 6.932, 175.532

■ 68, 13.818,

■ 70, 0.092, 351.686

174.523

72, 7.174, 357.163

67, 20.464,  
173.468

74, 14.247,  
358.002

66, 26.761,  
172.325

75, 21.261,  
358.783

65, 32.594,  
171.072

77, 28.177,  
359.524

64, 37.853,  
169.686

79, 33.765,  
359.222

63, 42.449,  
168.143

79, 34.623,  
355.013

63, 46.328,  
166.421

79, 35.675,  
351.047

63, 49.491,  
164.505

79, 36.903,  
347.344

62, 52.109,  
162.463



# Harmonies

# Complementary

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



69, 6.932, 175.532



66, 7.135, 357.229

# Rectangle

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



69, 6.932, 175.532



69, 6.932, 225.532



69, 6.932, 355.532



69, 6.932, 45.532

# Sweetspot

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



69, 6.933, 175.524



89, 2.620, 176.287



69, 10.402, 135.331



47, 1.984, 176.175



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, 6.933, 175.524



87, 10.431, 175.292



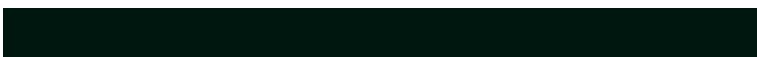
68, 5.294, 219.847



36, 3.999, 175.581



55, 47.029, 162.694



6, 8.984, 170.437



# Inverse Universe

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



66, 7.135, 357.229



82, 10.804, 357.479



66, 5.625, 39.211



34, 4.109, 357.169



31, 59.002, 20.620



2, 8.298, 0.247



# Previews

## White Background



This preview shows how the CIELCh color 69, 6.932, 175.532 looks on a white background.

## Color Contrast Check

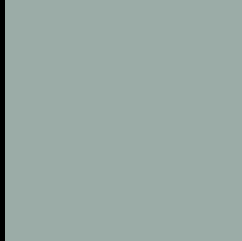
Large Text (above 18pt) WCAG AA × Fail

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, 6.932, 175.532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

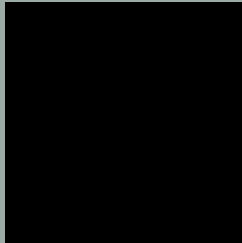
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

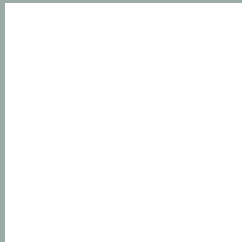
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 6.932, 175.532**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 6.932, 175.532.



This preview shows how white text looks on a background with the CIELCh color 69, 6.932, 175.532.

# 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, 6.932, 175.532

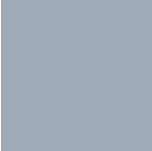
### Protanopia

69, 2.507, 60.255

### Deuteranopia

69, 8.696, 357.998





**Tritanopia**  
69, 8.245, 259.438

# Trichromacy



**Original Color**  
69, 6.932, 175.532

**Protanomaly**  
69, 2.475, 137.266

**Deuteranomaly**  
69, 3.244, 359.799

**Tritanomaly**  
69, 6.001, 232.490

# Monochromacy



**Original Color**  
69, 6.932, 175.532

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
69, 2.518, 173.540

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 6.932, 175.532 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(155, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(155, 172, 167)  
}
```

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(155, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 172, 167) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 6.932, 175.532 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(155, 172, 167) }
```

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

```
.border{ border-color:rgb(155, 172, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 172, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(155, 172,  
167) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 6.932, 175.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 172, 167) }
```

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

```
.background{ background-color: rgb(155,  
172, 167) }
```

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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