

# Converting Colors

CIELCh(69, 7.974, 151.224)

Have a look what the booklet for  
CIELCh(69, 7.974, 151.224) contains.

<b>CIELCh(69, 8.076, 150.545)</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, 8.076, 150.545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EACA1
RGB	158, 172, 161
RGB Percent	62%, 67%, 63%
CMY	0.3804, 0.3255, 0.3686
CMYK	0.08, 0.00, 0.06, 0.33
HSL	133°, 8%, 65%
HSV	133°, 8%, 67%
XYZ	35.2835, 39.3444, 39.4503
YIQ	166.5600, -4.8130, -6.3890

# Conversions

## Conversions Part 2

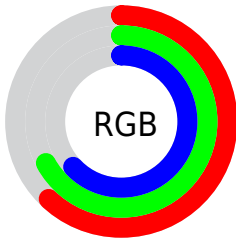
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 170, 172
Decimal	10398881
CIELab	69.00, -7.03, 3.97
CIElCh	69, 8.076, 150.545
Yxy	39.3444, 0.3093, 0.3449
Android (android.graphics.Color)	4288588961 (0xFF9EACA1)
YUV	166.5600, -2.7411, -7.5071
Hunter-Lab	62.7251, -9.3610, 6.6178

# Details

The CIELCh color  $69, 8.076, 150.545$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 8.105, 331.500$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 7.658, 150.680$ , and  $49, 7.924, 150.962$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 18.085, 149.795$ , and if you desaturate by 10%, it is  $71, 1.840, 330.990$ .

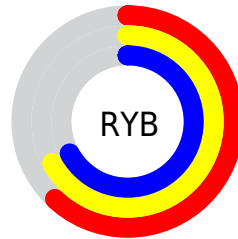
# Distribution



Red (62%)

Green (67%)

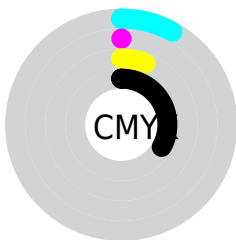
Blue (63%)



Red (62%)

Yellow (67%)

Blue (67%)

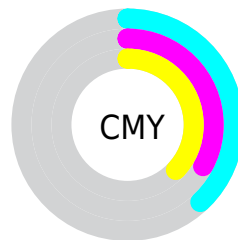


Cyan (8%)

Magenta (0%)

Yellow (6%)

Black (33%)



Cyan (38%)

Magenta (33%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 8.076, 150.545 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, 8.076, 150.545 by changing the saturation by 10% instead.



■ 69, 8.076, 150.545

■ 69, 8.076, 150.545

■ 100, 8.076,  
150.545

■ 59, 8.076, 150.545

■ 89, 8.076, 150.545

■ 49, 8.076, 150.545

■ 99, 8.076, 150.545

■ 39, 8.076, 150.545

■ 29, 8.076, 150.545

■ 19, 8.076, 150.545

■ 9, 8.076, 150.545

■ 0, 8.076, 150.545

■ 69, 8.076, 150.545

■ 69, 8.076, 150.545

■ 67, 18.085,

■ 71, 1.840, 330.990

149.795

72, 11.583,  
331.669

66, 28.066,  
148.945

74, 21.093,  
332.162

65, 37.873,  
147.964

77, 30.332,  
332.591

64, 47.327,  
146.836

79, 39.281,  
332.970

63, 56.227,  
145.547

80, 46.693,  
331.048

62, 64.360,  
144.098

81, 51.884,  
326.215

62, 71.522,  
142.512

62, 77.530,  
140.844

61, 82.287,  
139.224



# Harmonies

# Complementary

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



69, 8.076, 150.545



67, 8.105, 331.500

# Rectangle

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



69, 8.076, 150.545



69, 8.076, 200.545



69, 8.076, 330.545



69, 8.076, 20.545

# Sweetspot

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



69, 8.078, 150.544



89, 2.447, 151.045



70, 7.720, 117.455



47, 1.389, 151.061



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, 8.078, 150.544



87, 12.335, 150.396



69, 5.736, 175.298



36, 5.659, 150.459



54, 74.927, 139.162



6, 12.267, 149.665



# Inverse Universe

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



67, 8.105, 331.500



84, 12.377, 331.635



66, 5.872, 356.644



34, 5.678, 331.578



34, 66.227, 338.824



2, 11.290, 333.882



# Previews

## White Background



This preview shows how the CIELCh color 69, 8.076, 150.545 looks on a white background.

## Color Contrast Check

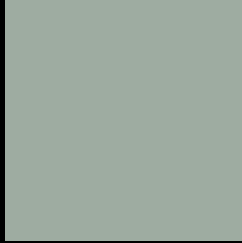
Large Text (above 18pt) WCAG AA × Fail

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, 8.076, 150.545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

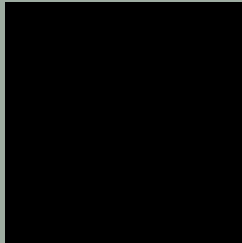
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

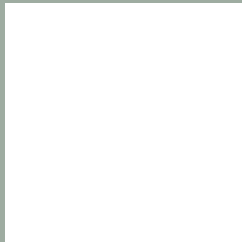
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 8.076, 150.545

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 8.076, 150.545.



This preview shows how white text looks on a background with the CIELCh color 69, 8.076, 150.545.

# 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, 8.076, 150.545

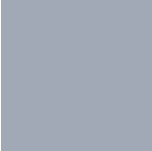
**Protanopia**

69, 5.276, 88.135

**Deuteranopia**

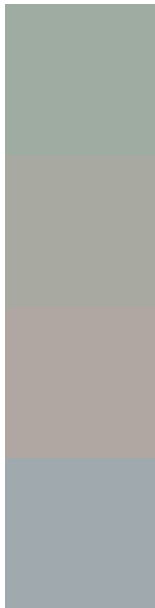
69, 8.937, 20.156





**Tritanopia**  
69, 7.644, 268.703

# Trichromacy



**Original Color**  
69, 8.076, 150.545

**Protanomaly**  
69, 4.940, 114.126

**Deuteranomaly**  
69, 4.424, 49.222

**Tritanomaly**  
69, 4.248, 230.433

# Monochromacy



**Original Color**  
69, 8.076, 150.545

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
69, 2.909, 150.441

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 8.076, 150.545 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(158, 172, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 161)  
}
```

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(158, 172, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 8.076, 150.545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

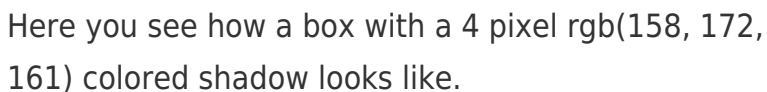
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 172, 161) }
```

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

```
.border{ border-color:rgb(158, 172, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 172, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 172, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 172, 161); box-shadow:4px 4px 4px 4px rgb(158, 172, 161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 8.076, 150.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 161) }
```

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

```
.background{ background-color: rgb(158,  
172, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor