

# Converting Colors

CIELCh(67, 10.018, 228.816)

Have a look what the booklet for  
CIELCh(67, 10.018, 228.816)  
contains.

<b>CIELCh(67, 10.055, 228.557)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(67, 10.055, 228.557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA7B0
RGB	142, 167, 176
RGB Percent	56%, 65%, 69%
CMY	0.4423, 0.3442, 0.3089
CMYK	0.19, 0.05, 0.00, 0.31
HSL	196°, 18%, 62%
HSV	196°, 19%, 69%
XYZ	32.9104, 36.6320, 46.5263
YIQ	160.5510, -17.7890, -2.5010

# Conversions

## Conversions Part 2

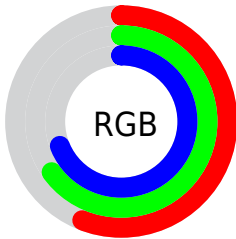
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 156, 176
Decimal	9349040
CIELab	67.00, -6.66, -7.54
CIELCh	67, 10.055, 228.557
Yxy	36.6320, 0.2835, 0.3156
Android (android.graphics.Color)	4287539120 (0xFF8EA7B0)
YUV	160.5510, 7.6164, -16.2692
Hunter-Lab	60.5244, -8.8573, -3.2103

# Details

The CIELCh color **67, 10.055, 228.557** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 11.293, 46.285**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 10.182, 229.976**, and **47, 10.206, 230.246** is the 20% darker color. If you saturate the color by 10%, you get **65, 14.826, 229.522**, and if you desaturate by 10%, it is **70, 4.965, 227.837**.

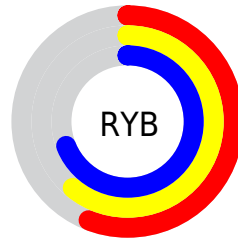
# Distribution



Red (56%)

Green (65%)

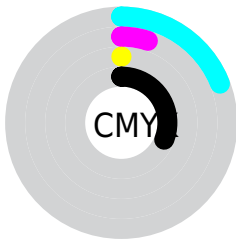
Blue (69%)



Red (56%)

Yellow (61%)

Blue (69%)

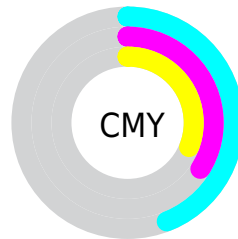


Cyan (19%)

Magenta (5%)

Yellow (0%)

Black (31%)



Cyan (44%)

Magenta (34%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 10.055, 228.557 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 67, 10.055, 228.557 by changing the saturation by 10% instead.





 67, 10.055,  
228.557


 67, 10.055,  
228.557


 100, 10.055,  
228.557


 57, 10.055,  
228.557


 87, 10.055,  
228.557

 47, 10.055,  
228.557

 97, 10.055,  
228.557

 37, 10.055,  
228.557

 27, 10.055,  
228.557

 17, 10.055,  
228.557

 7, 10.055, 228.557

 0, 10.055, 228.557

67, 10.055,  
228.557

67, 10.055,  
228.557

65, 14.826,  
229.522

70, 4.965, 227.837

62, 19.208,  
230.794

72, 0.380, 45.912

75, 5.921, 46.644

60, 23.133,  
232.430

77, 11.610, 46.356

58, 26.543,  
234.513

80, 17.405, 46.128

83, 23.274, 45.961

56, 29.405,  
237.133

85, 25.334, 49.737

54, 31.726,  
240.375

86, 25.099, 56.259

87, 25.201, 62.809

52, 33.572,  
244.292

51, 35.131,

248.750

■ 51, 35.244,  
249.060

# Harmonies

# Complementary

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



67, 10.055, 228.557



64, 11.293, 46.285

# Rectangle

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



67, 10.055, 228.557



67, 10.055, 278.557



67, 10.055, 48.557



67, 10.055, 98.557

# Sweetspot

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



67, 10.055, 228.549



89, 4.000, 227.683



69, 19.115, 150.975



47, 2.647, 227.709



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



67, 10.055, 228.549



84, 14.688, 228.916



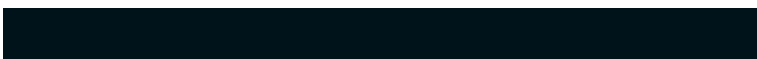
62, 14.530, 279.792



36, 3.056, 227.839



44, 31.644, 248.468



5, 7.507, 239.177



# Inverse Universe

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



63, 19.027, 334.166



78, 28.144, 334.459



69, 14.346, 94.941



35, 5.611, 333.469



34, 64.702, 342.095



2, 12.575, 336.901



# Previews

## White Background



This preview shows how the CIELCh color 67, 10.055, 228.557 looks on a white background.

## Color Contrast Check

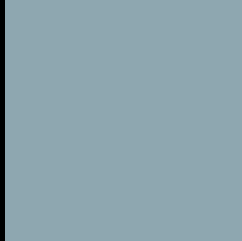
Large Text (above 18pt) WCAG AA × Fail

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 67, 10.055, 228.557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

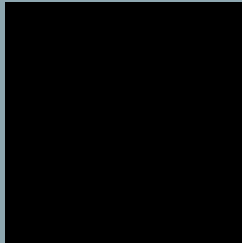
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

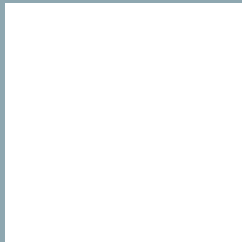
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 10.055, 228.557**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 10.055, 228.557.



This preview shows how white text looks on a background with the CIELCh color 67, 10.055, 228.557.

# 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**  
67, 10.055, 228.557

**Protanopia**  
67, 6.101, 294.290

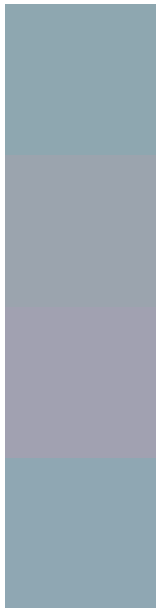
**Deuteranopia**  
67, 12.126, 314.580





**Tritanopia**  
67, 10.922, 240.167

# Trichromacy



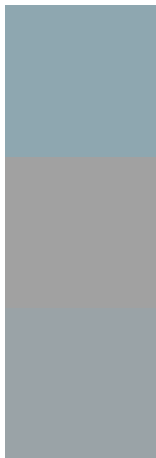
**Original Color**  
67, 10.055, 228.557

**Protanomaly**  
67, 6.367, 259.703

**Deuteranomaly**  
67, 8.857, 291.099

**Tritanomaly**  
67, 10.601, 237.734

# Monochromacy



**Original Color**  
67, 10.055, 228.557

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 3.971, 233.208

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 10.055, 228.557 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, 167, 176)` looks like.

```
.text, #text, p{  
    color:rgb(142, 167, 176)  
}
```

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, 167, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 167, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 10.055, 228.557 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, 167, 176) }
```

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

```
.border{ border-color:rgb(142, 167, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 167, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 167, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 167, 176);  
box-shadow:4px 4px 4px 4px rgb(142, 167,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 10.055, 228.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 167, 176) }
```

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

```
.background{ background-color: rgb(142,  
167, 176) }
```

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