

# Converting Colors

CIELCh(67, 10.312, 275.738)

Have a look what the booklet for  
CIELCh(67, 10.312, 275.738)  
contains.

<b>CIELCh(67, 10.205, 276.963)</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, 10.205, 276.963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CA3B5
RGB	156, 163, 181
RGB Percent	61%, 64%, 71%
CMY	0.3880, 0.3605, 0.2899
CMYK	0.14, 0.10, 0.00, 0.29
HSL	223°, 14%, 66%
HSV	223°, 14%, 71%
XYZ	35.1800, 36.6320, 48.9698
YIQ	162.9590, -9.9500, 4.1140

# Conversions

## Conversions Part 2

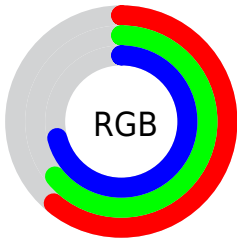
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 161, 181
Decimal	10265525
CIE <sub>Lab</sub>	67.00, 1.24, -10.13
CIE <sub>LCh</sub>	67, 10.205, 276.963
Yxy	36.6320, 0.2913, 0.3033
Android (android.graphics.Color)	4288455605 (0xFF9CA3B5)
YUV	162.9590, 8.8942, -6.1030
Hunter-Lab	60.5244, -2.1637, -5.6041

# Details

The CIELCh color  $67, 10.205, 276.963$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $71, 10.146, 93.479$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 10.186, 277.343$ , and  $47, 10.266, 278.802$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 17.782, 278.499$ , and if you desaturate by 10%, it is  $72, 2.790, 275.675$ .

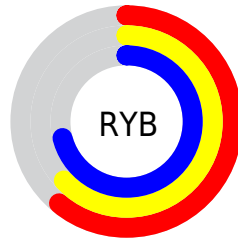
# Distribution



Red (61%)

Green (64%)

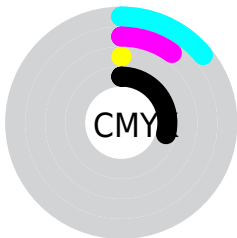
Blue (71%)



Red (61%)

Yellow (63%)

Blue (71%)

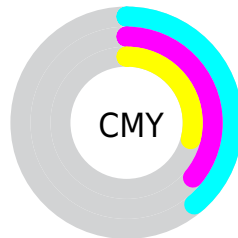


Cyan (14%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (39%)

Magenta (36%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 10.205, 276.963 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, 10.205, 276.963 by changing the saturation by 10% instead.





 67, 10.205,  
276.963


 67, 10.205,  
276.963


 100, 10.205,  
276.963


 57, 10.205,  
276.963


 87, 10.205,  
276.963

 47, 10.205,  
276.963

 97, 10.205,  
276.963

 37, 10.205,  
276.963

 27, 10.205,  
276.963

 17, 10.205,  
276.963

 7, 10.205, 276.963

 0, 10.205, 276.963

67, 10.205,  
276.963

67, 10.205,  
276.963

62, 17.782,  
278.499

72, 2.790, 275.675

57, 25.536,  
280.304

77, 4.467, 94.416

52, 33.485,  
282.410

82, 11.572, 93.447

48, 41.653,  
284.849

91, 25.340, 91.823

43, 50.069,  
287.631

95, 31.094, 97.884

39, 58.742,  
290.726

98, 36.802,  
106.958

34, 67.613,  
294.032

98, 37.120,  
107.348

31, 76.473,

297.365

■ 29, 81.799,  
299.256

# Harmonies

# Complementary

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



67, 10.205, 276.963



71, 10.146, 93.479

# Rectangle

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



67, 10.205, 276.963



67, 10.205, 326.963



67, 10.205, 96.963



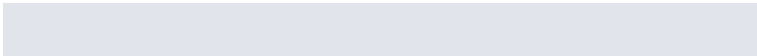
67, 10.205, 146.963

# Sweetspot

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



67, 10.204, 276.957



91, 3.618, 275.703



72, 10.001, 175.896



48, 2.570, 275.786



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



67, 10.204, 276.957



83, 15.563, 277.465



66, 14.070, 299.607



36, 4.215, 276.347



24, 72.256, 298.864



2, 12.338, 280.224



# Inverse Universe

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



67, 10.409, 358.655



82, 15.930, 359.046



73, 13.673, 117.735



36, 4.279, 358.173



32, 60.931, 22.054

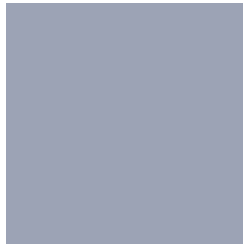


2, 11.141, 2.884



# Previews

## White Background



This preview shows how the CIELCh color 67, 10.205, 276.963 looks on a white background.

## Color Contrast Check

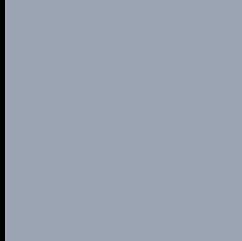
Large Text (above 18pt) WCAG AA × Fail

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, 10.205, 276.963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

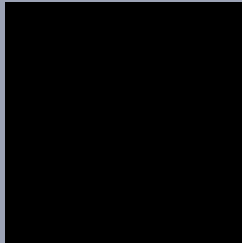
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

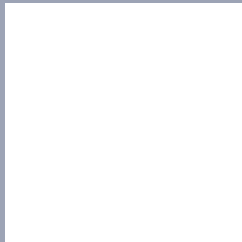
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 10.205, 276.963**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 10.205, 276.963.



This preview shows how white text looks on a background with the CIELCh color 67, 10.205, 276.963.

# 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, 10.205, 276.963

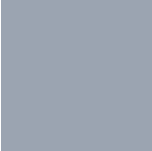
### Protanopia

67, 9.952, 289.121

### Deuteranopia

67, 13.402, 308.878





**Tritanopia**  
67, 7.819, 266.294

# Trichromacy



**Original Color**  
67, 10.205, 276.963

**Protanomaly**  
67, 9.991, 284.983

**Deuteranomaly**  
67, 12.343, 299.865

**Tritanomaly**  
67, 8.320, 267.985

# Monochromacy



**Original Color**  
67, 10.205, 276.963

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 4.010, 274.467

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 10.205, 276.963 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(156, 163, 181)` looks like.

```
.text, #text, p{  
    color:rgb(156, 163, 181)  
}
```

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(156, 163, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 163, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 10.205, 276.963 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(156, 163, 181) }
```

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

```
.border{ border-color:rgb(156, 163, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 163, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 163, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 163, 181);  
box-shadow:4px 4px 4px 4px rgb(156, 163,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 10.205, 276.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 163, 181) }
```

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

```
.background{ background-color: rgb(156,  
163, 181) }
```

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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