

# Converting Colors

CIELCh(68, 10.627, 163.510)

Have a look what the booklet for  
CIELCh(68, 10.627, 163.510)  
contains.

<b>CIELCh(68, 10.605, 163.726)</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(68, 10.605, 163.726)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94ABA0
RGB	148, 171, 160
RGB Percent	58%, 67%, 63%
CMY	0.4195, 0.3293, 0.3725
CMYK	0.13, 0.00, 0.06, 0.33
HSL	151°, 12%, 63%
HSV	151°, 13%, 67%
XYZ	33.1318, 37.9720, 38.8518
YIQ	162.8690, -10.1770, -8.2970

# Conversions

## Conversions Part 2

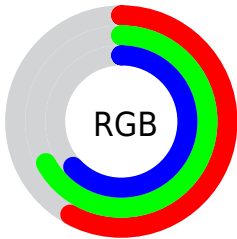
Format	Color
<b>RYB</b>	148, 163, 171
Decimal	9743264
CIELab	68.00, -10.18, 2.97
CIELCh	68, 10.605, 163.726
Yxy	37.9720, 0.3013, 0.3453
Android (android.graphics.Color)	4287933344 (0xFF94ABA0)
YUV	162.8690, -1.4144, -13.0401
Hunter-Lab	61.6215, -11.8641, 5.7532

# Details

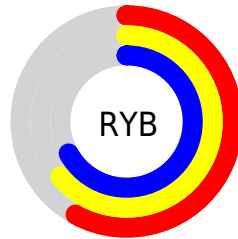
The CIELCh color  $68, 10.605, 163.726$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 10.807, 345.953$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $88, 10.358, 165.079$ , and  $48, 10.638, 164.618$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 18.431, 162.752$ , and if you desaturate by 10%, it is  $69, 2.716, 164.689$ .

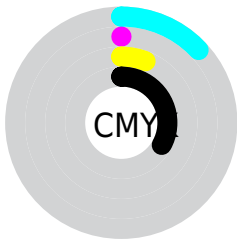
# Distribution



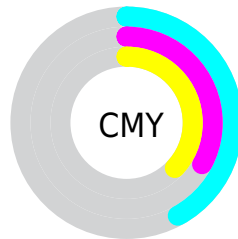
- Red (58%)
- Green (67%)
- Blue (63%)



- Red (58%)
- Yellow (64%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)




- Cyan (42%)
- Magenta (33%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 10.605, 163.726 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 68, 10.605, 163.726 by changing the saturation by 10% instead.





 68, 10.605,  
163.726


 68, 10.605,  
163.726


 100, 10.605,  
163.726


 58, 10.605,  
163.726


 88, 10.605,  
163.726

 48, 10.605,  
163.726

 98, 10.605,  
163.726

 38, 10.605,  
163.726

 28, 10.605,  
163.726

 18, 10.605,  
163.726

 8, 10.605, 163.726

 0, 10.605, 163.726

68, 10.605,  
163.726

68, 10.605,  
163.726

67, 18.431,  
162.752

69, 2.716, 164.689

66, 26.083,  
161.680

71, 5.155, 345.271

65, 33.440,  
160.481

73, 12.938,  
346.039

64, 40.374,  
159.129

75, 20.584,  
346.720

63, 46.757,  
157.602

77, 28.058,  
347.350

62, 52.486,  
155.877

79, 35.338,  
347.938


62, 57.498,  
153.945

79, 38.806,  
343.973

62, 61.791,

80, 41.325,  
339.059

151.813

 80, 44.138,  
334.795

 62, 64.347,  
150.402

# Harmonies

# Complementary

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



68, 10.605, 163.726



64, 10.807, 345.953

# Rectangle

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



68, 10.605, 163.726



68, 10.605, 213.726



68, 10.605, 343.726



68, 10.605, 33.726

# Sweetspot

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



68, 10.607, 163.723



88, 3.892, 164.617



69, 13.437, 129.071



47, 2.790, 164.538



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



68, 10.607, 163.723



86, 15.584, 163.456



68, 8.232, 200.240



36, 4.515, 164.106



55, 58.251, 150.663



6, 10.204, 160.039



# Inverse Universe

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



64, 10.807, 345.953



79, 15.937, 346.223



63, 8.966, 21.573



34, 4.577, 345.567



32, 57.066, 3.279

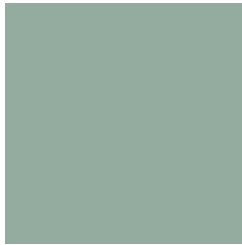


2, 9.027, 349.968



# Previews

## White Background



This preview shows how the CIELCh color 68, 10.605, 163.726 looks on a white background.

## Color Contrast Check

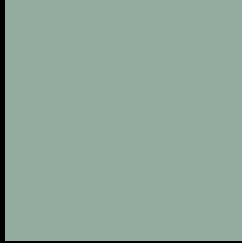
Large Text (above 18pt) WCAG AA × Fail

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 68, 10.605, 163.726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

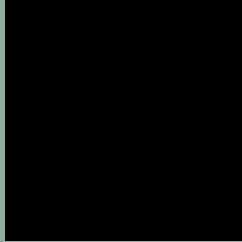
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

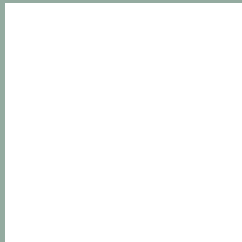
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 68, 10.605, 163.726**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 10.605, 163.726.

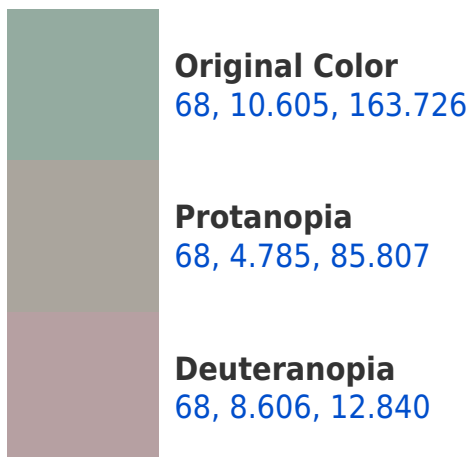


This preview shows how white text looks on a background with the CIELCh color 68, 10.605, 163.726.

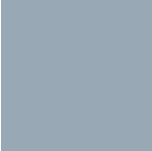
# Color Blindness Simulation

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







**Tritanopia**  
68, 9.038, 251.719

# Trichromacy



**Original Color**  
68, 10.605, 163.726

**Protanomaly**  
68, 5.317, 130.786

**Deuteranomaly**  
68, 2.820, 55.133

**Tritanomaly**  
68, 6.860, 217.734

# Monochromacy



**Original Color**  
68, 10.605, 163.726

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 3.762, 163.357

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 10.605, 163.726 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(148, 171, 160)` looks like.

```
.text, #text, p{  
    color:rgb(148, 171, 160)  
}
```

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(148, 171, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 171, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 10.605, 163.726 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(148, 171, 160) }
```

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

```
.border{ border-color:rgb(148, 171, 160) }
```

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

Here you see how a box with a 4 pixel rgb(148, 171, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 171, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 171, 160);  
box-shadow:4px 4px 4px 4px rgb(148, 171,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 10.605, 163.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 171, 160) }
```

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

```
.background{ background-color: rgb(148,  
171, 160) }
```

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