

# Converting Colors

CIELCh(66, 11.470, 153.027)

Have a look what the booklet for  
CIELCh(66, 11.470, 153.027)  
contains.

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# Color

**CIELCh(66, 11.600, 152.859)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91A697
RGB	145, 166, 151
RGB Percent	57%, 65%, 59%
CMY	0.4330, 0.3506, 0.4095
CMYK	0.13, 0.00, 0.09, 0.35
HSL	137°, 11%, 61%
HSV	137°, 13%, 65%
XYZ	30.7176, 35.3238, 34.3025
YIQ	158.0110, -7.7010, -9.1170

# Conversions

## Conversions Part 2

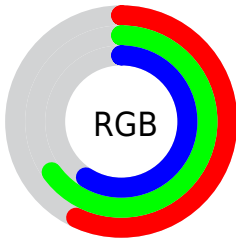
Format	Color
<a href="#">RYB</a>	<a href="#">145, 161, 166</a>
Decimal	<a href="#">9545367</a>
CIELab	<a href="#">66.00, -10.32, 5.29</a>
CIELCh	<a href="#">66, 11.600, 152.859</a>
Yxy	<a href="#">35.3238, 0.3061, 0.3520</a>
Android (android.graphics.Color)	<a href="#">4287735447 (0xFF91A697)</a>
YUV	<a href="#">158.0110, -3.4564, -11.4106</a>
Hunter-Lab	<a href="#">59.4338, -11.7537, 7.3842</a>

# Details

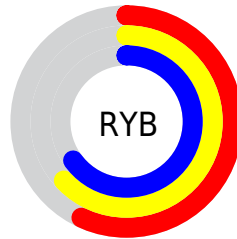
The CIELCh color **66, 11.600, 152.859** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 11.665, 334.536**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 11.619, 152.549**, and **46, 11.718, 153.075** is the 20% darker color. If you saturate the color by 10%, you get **65, 20.797, 152.035**, and if you desaturate by 10%, it is **68, 2.432, 153.661**.

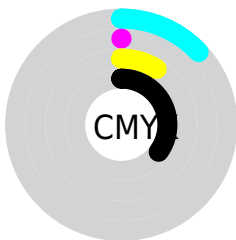
# Distribution



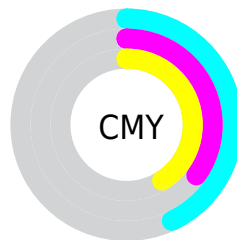
- Red (57%)
- Green (65%)
- Blue (59%)



- Red (57%)
- Yellow (63%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (35%)




- Cyan (43%)
- Magenta (35%)
- Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 11.600, 152.859 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 66, 11.600, 152.859 by changing the saturation by 10% instead.





 66, 11.600,  
152.859


 66, 11.600,  
152.859


 100, 11.600,  
152.859


 56, 11.600,  
152.859


 86, 11.600,  
152.859

 46, 11.600,  
152.859

 96, 11.600,  
152.859

 36, 11.600,  
152.859

 26, 11.600,  
152.859

 16, 11.600,  
152.859

 6, 11.600, 152.859

 0, 11.600, 152.859

66, 11.600,  
152.859

66, 11.600,  
152.859

65, 20.797,  
152.035

68, 2.432, 153.661

63, 29.900,  
151.098

69, 6.621, 334.121

62, 38.770,  
150.023

71, 15.494,  
334.697

61, 47.242,  
148.788

73, 24.142,  
335.194

61, 55.144,  
147.380

75, 32.537,  
335.637

60, 62.306,  
145.795

77, 40.667,  
336.035


60, 68.587,  
144.050


79, 47.338,  
334.455

59, 73.886,

79, 51.816,  
329.646

142.191

 79, 55.783,  
326.345

 59, 77.212,  
140.891

# Harmonies

# Complementary

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



66, 11.600, 152.859



62, 11.665, 334.536

# Rectangle

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



66, 11.600, 152.859



66, 11.600, 202.859



66, 11.600, 332.859



66, 11.600, 22.859

# Sweetspot

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



66, 11.602, 152.858



85, 4.488, 153.527



67, 11.779, 120.445



45, 3.186, 153.466



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



66, 11.602, 152.858



83, 16.942, 152.654



66, 8.241, 180.912



34, 5.107, 153.120



52, 69.801, 141.119



4, 8.086, 152.677



# Inverse Universe

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



62, 11.665, 334.536



77, 17.045, 334.721



62, 8.637, 3.142



32, 5.131, 334.294



32, 61.502, 343.462



1, 7.614, 336.030



# Previews

## White Background



This preview shows how the CIELCh color 66, 11.600, 152.859 looks on a white background.

## Color Contrast Check

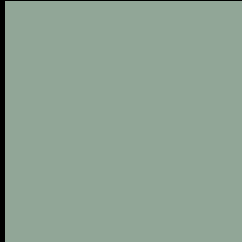
Large Text (above 18pt) WCAG AA × Fail

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 66, 11.600, 152.859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

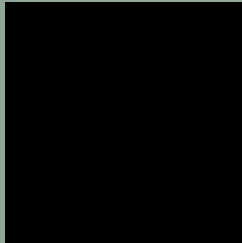
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

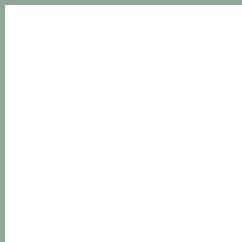
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 66, 11.600, 152.859**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 11.600, 152.859.

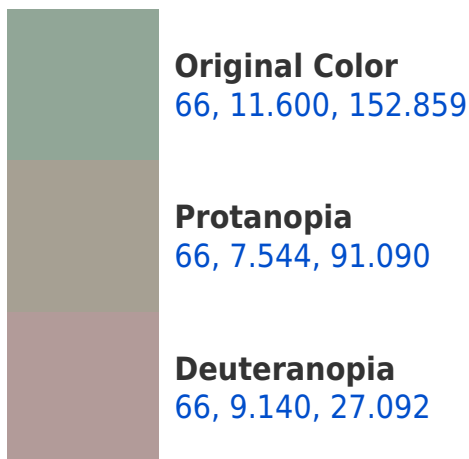


This preview shows how white text looks on a background with the CIELCh color 66, 11.600, 152.859.

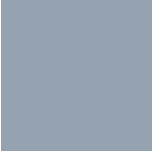
# Color Blindness Simulation

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**  
66, 8.493, 257.452

# Trichromacy



**Original Color**  
66, 11.600, 152.859

**Protanomaly**  
66, 7.891, 120.776

**Deuteranomaly**  
66, 4.721, 74.346

**Tritanomaly**  
66, 6.082, 214.899

# Monochromacy



**Original Color**  
66, 11.600, 152.859

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 4.540, 152.081

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 11.600, 152.859 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(145, 166, 151)` looks like.

```
.text, #text, p{  
    color:rgb(145, 166, 151)  
}
```

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(145, 166, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 166, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 11.600, 152.859 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(145, 166, 151) }
```

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

```
.border{ border-color:rgb(145, 166, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 166, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 166, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 166, 151);  
box-shadow:4px 4px 4px 4px rgb(145, 166,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 11.600, 152.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 166, 151) }
```

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

```
.background{ background-color: rgb(145,  
166, 151) }
```

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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