

# Converting Colors

CIELCh(67, 15.369, 225.607)

Have a look what the booklet for  
CIELCh(67, 15.369, 225.607)  
contains.

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# **Color**

**CIELCh(67, 15.254, 224.305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81AAB6
RGB	129, 170, 182
RGB Percent	51%, 67%, 71%
CMY	0.4954, 0.3346, 0.2876
CMYK	0.29, 0.07, 0.00, 0.29
HSL	194°, 27%, 61%
HSV	194°, 29%, 71%
XYZ	31.7267, 36.6320, 49.4747
YIQ	159.1090, -28.2880, -4.9600

# Conversions

## Conversions Part 2

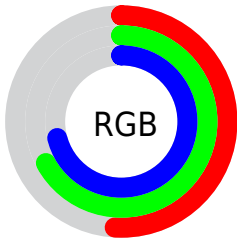
Format	Color
<a href="#">RYB</a>	<a href="#">129, 152, 182</a>
Decimal	<a href="#">8497846</a>
CIELab	<a href="#">67.00, -10.92, -10.65</a>
CIElCh	<a href="#">67, 15.254, 224.305</a>
Yxy	<a href="#">36.6320, 0.2693, 0.3109</a>
Android (android.graphics.Color)	<a href="#">4286687926 (0xFF81AAB6)</a>
YUV	<a href="#">159.1090, 11.2853, -26.4056</a>
Hunter-Lab	<a href="#">60.5244, -12.3484, -6.0987</a>

# Details

The CIELCh color **67, 15.254, 224.305** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 18.519, 41.911**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 15.286, 225.166**, and **47, 15.144, 223.726** is the 20% darker color. If you saturate the color by 10%, you get **65, 19.725, 225.313**, and if you desaturate by 10%, it is **69, 10.346, 223.553**.

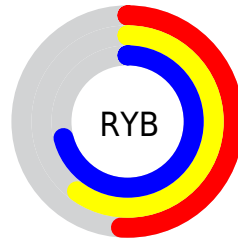
# Distribution



Red (51%)

Green (67%)

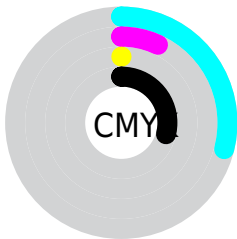
Blue (71%)



Red (51%)

Yellow (60%)

Blue (71%)

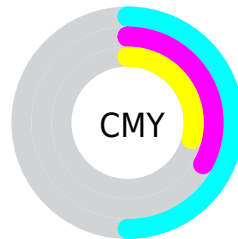


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (33%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 15.254, 224.305 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, 15.254, 224.305 by changing the saturation by 10% instead.





 67, 15.254,  
224.305


 67, 15.254,  
224.305


 100, 15.254,  
224.305


 57, 15.254,  
224.305


 87, 15.254,  
224.305

 47, 15.254,  
224.305

 97, 15.254,  
224.305

 37, 15.254,  
224.305

 27, 15.254,  
224.305

 17, 15.254,  
224.305

 7, 15.254, 224.305

 0, 15.254, 224.305

67, 15.254,  
224.305

67, 15.254,  
224.305

65, 19.725,  
225.313

69, 10.346,  
223.553

63, 23.681,  
226.651

72, 5.081, 223.043

74, 0.468, 41.480

61, 27.052,  
228.391

77, 6.237, 42.187

59, 29.794,  
230.618

79, 12.170, 42.045

57, 31.902,  
233.418

82, 18.222, 41.952

85, 24.035, 42.182

56, 33.429,  
236.862

86, 23.487, 48.177

54, 34.558,  
240.873

87, 23.213, 54.383

54, 34.654,



# Harmonies

# Complementary

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



67, 15.254, 224.305



62, 18.519, 41.911

# Rectangle

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



67, 15.254, 224.305



67, 15.254, 274.305



67, 15.254, 44.305



67, 15.254, 94.305

# Sweetspot

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



67, 15.254, 224.300



91, 6.194, 223.042



69, 30.354, 148.923



48, 4.324, 223.100



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



67, 15.254, 224.300



84, 22.202, 224.917



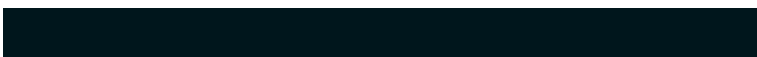
60, 21.887, 279.208



38, 3.165, 223.049



47, 30.834, 240.631



6, 8.514, 233.688



# Inverse Universe

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



60, 30.307, 333.370



74, 45.029, 333.826



69, 21.662, 91.315



36, 5.902, 332.024



35, 67.247, 339.615



3, 15.011, 335.299



# Previews

## White Background



This preview shows how the CIELCh color 67, 15.254, 224.305 looks on a white background.

## Color Contrast Check

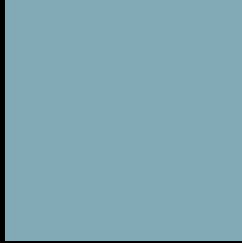
Large Text (above 18pt) WCAG AA × Fail

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 67, 15.254, 224.305 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, 15.254, 224.305**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 15.254, 224.305.

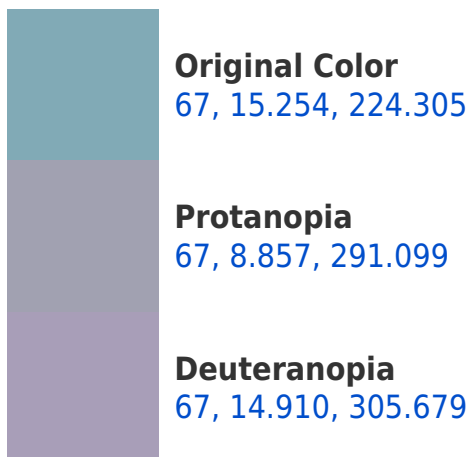


This preview shows how white text looks on a background with the CIELCh color 67, 15.254, 224.305.

# 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

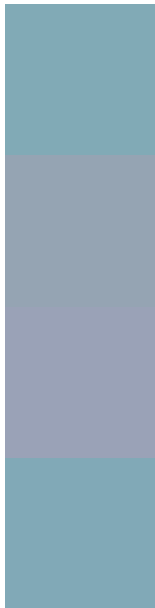






**Tritanopia**  
67, 15.394, 228.814

# Trichromacy



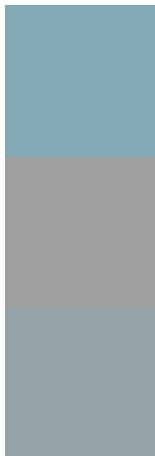
**Original Color**  
67, 15.254, 224.305

**Protanomaly**  
67, 9.748, 257.745

**Deuteranomaly**  
67, 11.895, 277.547

**Tritanomaly**  
67, 15.394, 228.814

# Monochromacy



**Original Color**  
67, 15.254, 224.305

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 5.896, 221.174

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 15.254, 224.305 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(129, 170, 182)` looks like.

```
.text, #text, p{  
    color:rgb(129, 170, 182)  
}
```

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(129, 170, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 170, 182) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 15.254, 224.305 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(129, 170, 182) }
```

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

```
.border{ border-color:rgb(129, 170, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 170, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 170, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 170, 182);  
box-shadow:4px 4px 4px 4px rgb(129, 170,  
182) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 15.254, 224.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 170, 182) }
```

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

```
.background{ background-color: rgb(129,  
170, 182) }
```

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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