

# Converting Colors

CIELCh(69, 15.527, 214.830)

Have a look what the booklet for  
CIELCh(69, 15.527, 214.830)  
contains.

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# **Color**

**CIELCh(69, 15.520, 214.824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84B0B8
RGB	132, 176, 184
RGB Percent	52%, 69%, 72%
CMY	0.4829, 0.3103, 0.2790
CMYK	0.28, 0.04, 0.00, 0.28
HSL	189°, 27%, 62%
HSV	189°, 28%, 72%
XYZ	33.6285, 39.3444, 51.0911
YIQ	163.7560, -28.7920, -6.8400

# Conversions

## Conversions Part 2

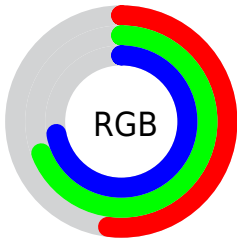
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 156, 184
Decimal	8695992
CIE <sub>Lab</sub>	69.00, -12.74, -8.86
CIE <sub>LCh</sub>	69, 15.520, 214.824
Y <sub>xy</sub>	39.3444, 0.2711, 0.3171
Android (android.graphics.Color)	4286886072 (0xFF84B0B8)
YUV	163.7560, 9.9803, -27.8500
Hunter-Lab	62.7251, -14.0705, -4.3855

# Details

The CIELCh color **69, 15.520, 214.824** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 18.892, 34.642**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 15.688, 213.958**, and **49, 15.554, 215.678** is the 20% darker color. If you saturate the color by 10%, you get **67, 20.171, 215.302**, and if you desaturate by 10%, it is **71, 10.377, 214.527**.

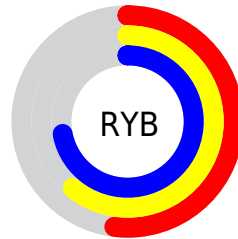
# Distribution



Red (52%)

Green (69%)

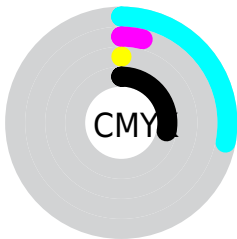
Blue (72%)



Red (52%)

Yellow (61%)

Blue (72%)

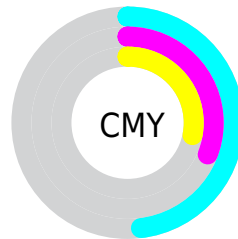


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (48%)

Magenta (31%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 15.520, 214.824 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 69, 15.520, 214.824 by changing the saturation by 10% instead.





 69, 15.520,  
214.824


 69, 15.520,  
214.824


 100, 15.520,  
214.824


 59, 15.520,  
214.824


 89, 15.520,  
214.824

 49, 15.520,  
214.824

 99, 15.520,  
214.824

 39, 15.520,  
214.824

 29, 15.520,  
214.824

 19, 15.520,  
214.824

 9, 15.520, 214.824

 0, 15.520, 214.824

69, 15.520,  
214.824

69, 15.520,  
214.824

67, 20.171,  
215.302

71, 10.377,  
214.527

66, 24.238,  
216.015

73, 4.834, 214.419

75, 1.026, 33.754

64, 27.636,  
217.011

77, 7.127, 34.220

63, 30.304,  
218.348

80, 13.406, 34.354

61, 32.214,  
220.093

82, 19.810, 34.517

84, 24.124, 35.807

60, 33.395,  
222.308

85, 23.528, 39.768

59, 33.985,  
224.995

85, 23.053, 43.915

59, 34.073,

225.470

# Harmonies

# Complementary

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



69, 15.520, 214.824



62, 18.892, 34.642

# Rectangle

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



69, 15.520, 214.824



69, 15.520, 264.824



69, 15.520, 34.824



69, 15.520, 84.824

# Sweetspot

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



69, 15.520, 214.819



93, 5.795, 214.419



70, 31.209, 146.805



49, 4.100, 214.419



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



69, 15.520, 214.819



86, 22.582, 215.098



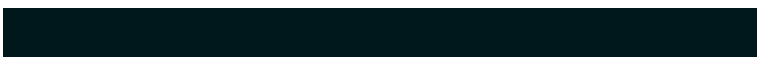
62, 19.744, 274.065



38, 3.294, 214.419



50, 30.122, 225.047



7, 8.711, 221.562



# Inverse Universe

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



61, 31.204, 330.674



75, 46.403, 331.071



69, 19.986, 86.149



36, 6.214, 329.493



35, 70.951, 335.362

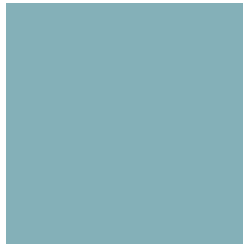


3, 16.094, 331.548



# Previews

## White Background



This preview shows how the CIELCh color 69, 15.520, 214.824 looks on a white background.

## Color Contrast Check

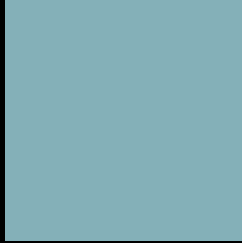
Large Text (above 18pt) WCAG AA × Fail

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 69, 15.520, 214.824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

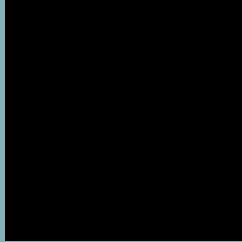
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

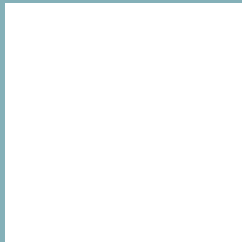
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 15.520, 214.824

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 15.520, 214.824.

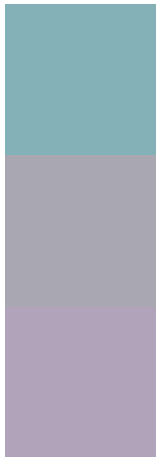


This preview shows how white text looks on a background with the CIELCh color 69, 15.520, 214.824.

# 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

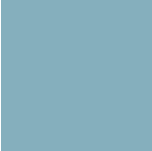


**Original Color**  
69, 15.520, 214.824

**Protanopia**  
69, 6.067, 294.275

**Deuteranopia**  
69, 13.583, 311.831





**Tritanopia**  
69, 15.881, 227.565

# Trichromacy



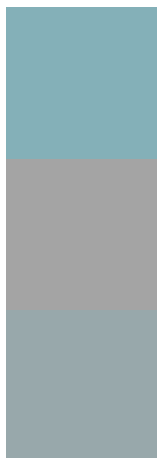
**Original Color**  
69, 15.520, 214.824

**Protanomaly**  
69, 7.605, 245.543

**Deuteranomaly**  
69, 9.711, 273.988

**Tritanomaly**  
69, 15.494, 223.725

# Monochromacy



**Original Color**  
69, 15.520, 214.824

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 6.053, 214.897

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 15.520, 214.824 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(132, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(132, 176, 184)  
}
```

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(132, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 176, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 15.520, 214.824 is called "border". The border property can be set on classes, ids or directly on the HTML element.

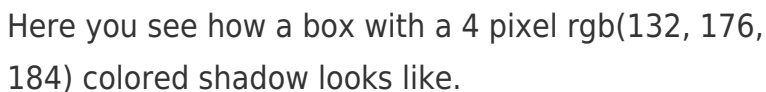
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 176, 184) }
```

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

```
.border{ border-color:rgb(132, 176, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(132, 176, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 176, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 176, 184); box-shadow:4px 4px 4px 4px rgb(132, 176, 184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 15.520, 214.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 176, 184) }
```

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

```
.background{ background-color: rgb(132,  
176, 184) }
```

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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