

# Converting Colors

CIELCh(65, 13.452, 212.243)

Have a look what the booklet for  
CIELCh(65, 13.452, 212.243)  
contains.

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# Color

**CIELCh(65, 13.300, 212.981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FA4AA
RGB	127, 164, 170
RGB Percent	50%, 64%, 67%
CMY	0.5013, 0.3562, 0.3326
CMYK	0.25, 0.04, 0.00, 0.33
HSL	188°, 20%, 58%
HSV	188°, 25%, 67%
XYZ	29.3566, 34.0472, 43.1412
YIQ	153.6210, -23.9780, -5.9780

# Conversions

## Conversions Part 2

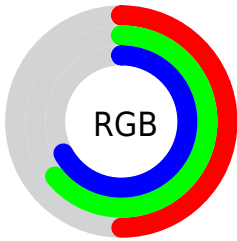
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 147, 170
Decimal	8365226
CIELab	65.00, -11.16, -7.24
CIELCh	65, 13.300, 212.981
Yxy	34.0472, 0.2755, 0.3196
Android (android.graphics.Color)	4286555306 (0xFF7FA4AA)
YUV	153.6210, 8.0748, -23.3466
Hunter-Lab	58.3500, -12.3068, -2.9913

# Details

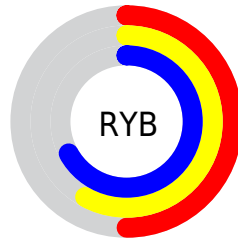
The CIELCh color **65, 13.300, 212.981** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 15.809, 33.159**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 13.180, 212.507**, and **45, 13.376, 213.690** is the 20% darker color. If you saturate the color by 10%, you get **63, 17.862, 213.300**, and if you desaturate by 10%, it is **67, 8.298, 212.818**.

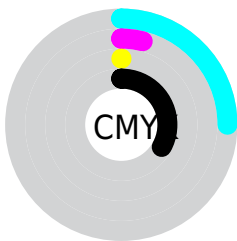
# Distribution



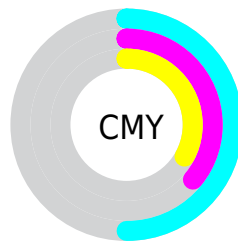
- Red (50%)
- Green (64%)
- Blue (67%)



- Red (50%)
- Yellow (58%)
- Blue (67%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)




- Cyan (50%)
- Magenta (36%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.300, 212.981 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 65, 13.300, 212.981 by changing the saturation by 10% instead.





 65, 13.300,  
212.981


 65, 13.300,  
212.981


 100, 13.300,  
212.981


 55, 13.300,  
212.981


 85, 13.300,  
212.981

 45, 13.300,  
212.981

 95, 13.300,  
212.981

 35, 13.300,  
212.981

 25, 13.300,  
212.981

 15, 13.300,  
212.981

 5, 13.300, 212.981

 0, 13.300, 212.981

65, 13.300,  
212.981

65, 13.300,  
212.981

63, 17.862,  
213.300

67, 8.298, 212.818

62, 21.896,  
213.821

69, 2.940, 212.868

71, 2.695, 32.556

60, 25.318,  
214.582

73, 8.539, 32.791

59, 28.062,  
215.633

75, 14.536, 32.981

77, 20.638, 33.199

58, 30.087,  
217.031

79, 26.807, 33.442

57, 31.399,  
218.833

81, 29.684, 34.820

81, 29.128, 37.449

56, 32.064,  
221.083

56, 32.281,



# Harmonies

# Complementary

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



65, 13.300, 212.981



59, 15.809, 33.159

# Rectangle

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



65, 13.300, 212.981



65, 13.300, 262.981



65, 13.300, 32.981



65, 13.300, 82.981

# Sweetspot

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



65, 13.300, 212.975



86, 5.499, 212.815



66, 26.507, 146.559



46, 3.925, 212.805



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



65, 13.300, 212.975



82, 19.215, 213.124



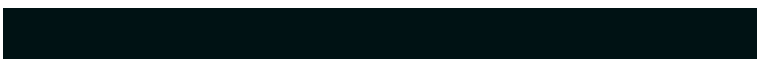
59, 16.210, 272.116



35, 3.098, 212.807



49, 29.133, 221.889



4, 5.611, 217.999



# Inverse Universe

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



58, 26.452, 329.993



72, 38.919, 330.317



64, 16.474, 85.146



33, 5.840, 329.017



34, 69.159, 334.564



2, 10.245, 330.077



# Previews

## White Background



This preview shows how the CIE LCh color 65, 13.300, 212.981 looks on a white background.

## Color Contrast Check

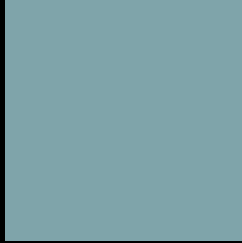
Large Text (above 18pt) WCAG AA × Fail

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 65, 13.300, 212.981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

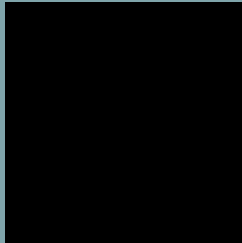
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 13.300, 212.981

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.300, 212.981.

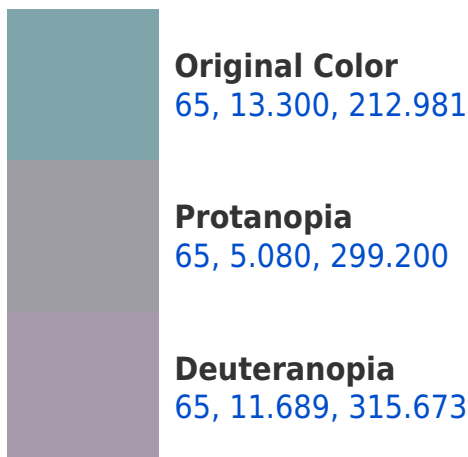


This preview shows how white text looks on a background with the CIELCh color 65, 13.300, 212.981.


# 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**  
65, 13.867, 230.145

# Trichromacy



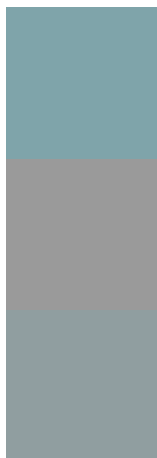
**Original Color**  
65, 13.300, 212.981

**Protanomaly**  
65, 6.186, 245.298

**Deuteranomaly**  
65, 7.966, 277.745

**Tritanomaly**  
65, 13.425, 225.771

# Monochromacy



**Original Color**  
65, 13.300, 212.981

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 5.302, 211.202

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 13.300, 212.981 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(127, 164, 170)` looks like.

```
.text, #text, p{  
    color:rgb(127, 164, 170)  
}
```

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(127, 164, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 164, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 13.300, 212.981 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(127, 164, 170) }
```

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

```
.border{ border-color:rgb(127, 164, 170) }
```

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

Here you see how a box with a 4 pixel rgb(127, 164, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 164, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 164, 170);  
box-shadow:4px 4px 4px 4px rgb(127, 164,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 13.300, 212.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 164, 170) }
```

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

```
.background{ background-color: rgb(127,  
164, 170) }
```

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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