

Converting Colors

CIELCh(65, 16.766, 213.601)

Have a look what the booklet for
CIELCh(65, 16.766, 213.601)
contains.

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Color

CIELCh(65, 16.766, 213.601)

Conversions

Conversions Part 1

Format	Color
Hex	76A6AE
RGB	118, 166, 174
RGB Percent	46%, 65%, 68%
CMY	0.5383, 0.3501, 0.3188
CMYK	0.32, 0.05, 0.00, 0.32
HSL	189°, 26%, 57%
HSV	189°, 32%, 68%
XYZ	28.6310, 34.0472, 44.9622
YIQ	152.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

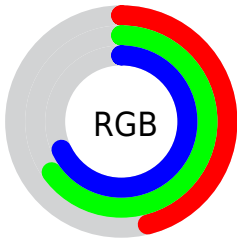
Format	Color
RYB	118, 144, 174
Decimal	7775918
CIELab	65.00, -13.96, -9.28
CIElCh	65, 16.766, 213.601
Yxy	34.0472, 0.2660, 0.3163
Android (android.graphics.Color)	4285965998 (0xFF76A6AE)
YUV	152.5600, 10.5699, -30.3091
Hunter-Lab	58.3500, -14.5265, -4.8416

Details

The CIELCh color **65, 16.766, 213.601** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 21.054, 33.778**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 16.662, 213.081**, and **45, 16.668, 214.522** is the 20% darker color. If you saturate the color by 10%, you get **63, 21.030, 214.080**, and if you desaturate by 10%, it is **67, 11.993, 213.304**.

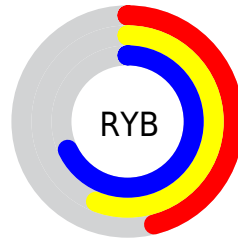
Distribution



Red (46%)

Green (65%)

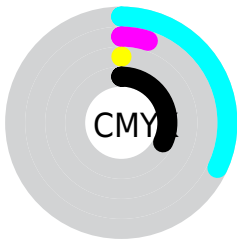
Blue (68%)



Red (46%)

Yellow (56%)

Blue (68%)

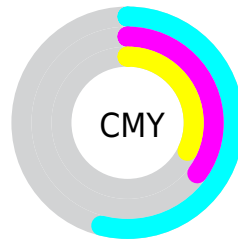


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (32%)



Cyan (54%)


Magenta (35%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.766, 213.601 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, 16.766, 213.601 by changing the saturation by 10% instead.


 65, 16.766,
213.601


 65, 16.766,
213.601


 100, 16.766,
213.601


 55, 16.766,
213.601


 85, 16.766,
213.601

 45, 16.766,
213.601

 95, 16.766,
213.601

 35, 16.766,
213.601

 25, 16.766,
213.601

 15, 16.766,
213.601

 5, 16.766, 213.601

 0, 16.766, 213.601

65, 16.766,
213.601

65, 16.766,
213.601

63, 21.030,
214.080

67, 11.993,
213.304

62, 24.697,
214.794

69, 6.801, 213.178

61, 27.693,
215.790

71, 1.272, 213.455

73, 4.515, 33.001

59, 29.969,
217.124

75, 10.497, 33.181

58, 31.516,
218.856

77, 16.618, 33.368

79, 22.833, 33.584

57, 32.378,
221.039

81, 28.429, 34.073

57, 32.743,
222.977

82, 27.836, 36.943

Harmonies

Complementary

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



65, 16.766, 213.601



57, 21.054, 33.778

Rectangle

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



65, 16.766, 213.601



65, 16.766, 263.601



65, 16.766, 33.601



65, 16.766, 83.601

Sweetspot

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



65, 16.766, 213.597



88, 6.948, 213.175



66, 34.336, 145.938



47, 4.761, 213.176



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 16.766, 213.597



81, 24.422, 213.937



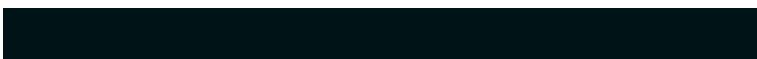
57, 21.106, 273.436



36, 3.167, 213.178



49, 29.468, 222.629



5, 6.614, 219.456

Inverse Universe

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



57, 34.167, 330.537



69, 51.074, 330.999



64, 21.551, 84.214



34, 5.972, 329.127



34, 69.841, 334.750



2, 12.052, 330.515

Previews

White Background



This preview shows how the CIELCh color 65, 16.766, 213.601 looks on a white background.

Color Contrast Check

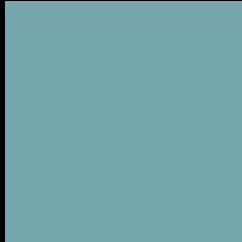
Large Text (above 18pt) WCAG AA × Fail

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 65, 16.766, 213.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

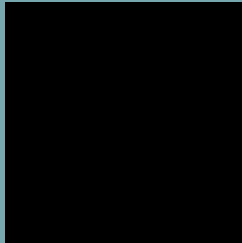
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 16.766, 213.601

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.766, 213.601.

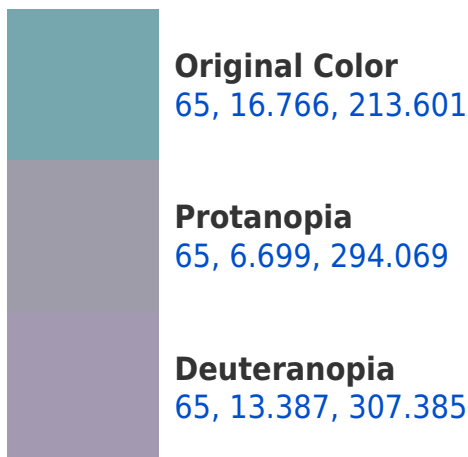



This preview shows how white text looks on a background with the CIELCh color 65, 16.766, 213.601.

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, 16.841, 223.839

Trichromacy



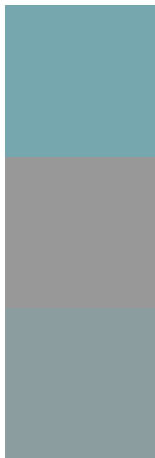
Original Color
65, 16.766, 213.601

Protanomaly
65, 8.177, 242.036

Deuteranomaly
65, 10.154, 268.308

Tritanomaly
65, 16.528, 220.083

Monochromacy



Original Color
65, 16.766, 213.601

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 6.462, 213.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.766, 213.601 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(118, 166, 174)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 174)  
}
```

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(118, 166, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.766, 213.601 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(118, 166, 174) }
```

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

```
.border{ border-color:rgb(118, 166, 174) }
```

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

Here you see how a box with a 4 pixel rgb(118, 166, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 174);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.766, 213.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 174) }
```

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

```
.background{ background-color: rgb(118,  
166, 174) }
```

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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