

Converting Colors

CIELCh(68, 18.926, 243.240)

Have a look what the booklet for
CIELCh(68, 18.926, 243.240)
contains.

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Color

CIELCh(68, 18.916, 243.210)

Conversions

Conversions Part 1

Format	Color
Hex	81ACC4
RGB	129, 172, 196
RGB Percent	51%, 67%, 77%
CMY	0.4955, 0.3269, 0.2328
CMYK	0.34, 0.12, 0.00, 0.23
HSL	201°, 36%, 64%
HSV	201°, 34%, 77%
XYZ	33.6013, 37.9720, 57.5581
YIQ	161.8790, -33.3320, -1.6520

Conversions

Conversions Part 2

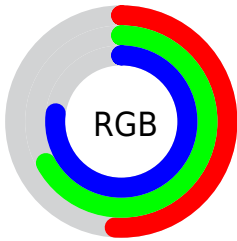
Format	Color
RYB	129, 155, 196
Decimal	8498372
CIELab	68.00, -8.53, -16.89
CIELCh	68, 18.916, 243.210
Yxy	37.9720, 0.2602, 0.2941
Android (android.graphics.Color)	4286688452 (0xFF81ACC4)
YUV	161.8790, 16.8217, -28.8349
Hunter-Lab	61.6215, -10.5042, -12.2454

Details

The CIELCh color **68, 18.916, 243.210** is a light color, and the websafe version is hex **669999**. A complement of this color would be **66, 22.665, 55.903**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.013, 244.591**, and **48, 18.724, 242.505** is the 20% darker color. If you saturate the color by 10%, you get **65, 23.789, 245.218**, and if you desaturate by 10%, it is **71, 13.705, 241.584**.

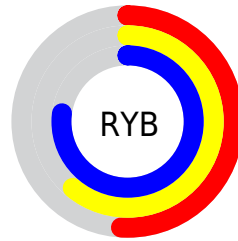
Distribution



Red (51%)

Green (67%)

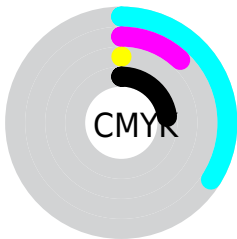
Blue (77%)



Red (51%)

Yellow (61%)

Blue (77%)

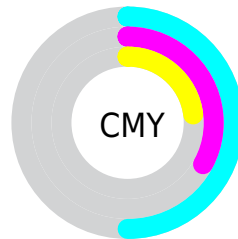


Cyan (34%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (50%)


Magenta (33%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 18.916, 243.210 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 68, 18.916, 243.210 by changing the saturation by 10% instead.


 68, 18.916,
243.210


 68, 18.916,
243.210


 100, 18.916,
243.210


 58, 18.916,
243.210


 88, 18.916,
243.210

 48, 18.916,
243.210

 98, 18.916,
243.210

 38, 18.916,
243.210

 28, 18.916,
243.210

 18, 18.916,
243.210

 8, 18.916, 243.210

 0, 18.916, 243.210

68, 18.916,
243.210

68, 18.916,
243.210

65, 23.789,
245.218

71, 13.705,
241.584

62, 28.282,
247.698

74, 8.211, 240.286

78, 2.489, 239.344

59, 32.373,
250.727

81, 3.411, 58.148

57, 36.080,
254.372

84, 9.443, 57.520

54, 39.473,
258.653

88, 15.571, 56.950

90, 18.564, 63.972

52, 42.685,
263.507

92, 19.612, 76.595

50, 44.560,
266.366

94, 21.503, 87.400

Harmonies

Complementary

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



68, 18.916, 243.210



66, 22.665, 55.903

Rectangle

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



68, 18.916, 243.210



68, 18.916, 293.210



68, 18.916, 63.210



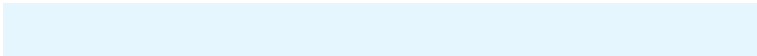
68, 18.916, 113.210

Sweetspot

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



68, 18.915, 243.207



96, 7.201, 239.843



74, 34.111, 153.438



51, 4.901, 239.992



0, 0.000, 0.000



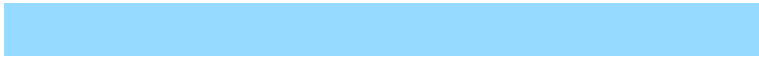
53, 0.007, 296.813

Same Dimension

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



68, 18.915, 243.207



84, 27.541, 244.655



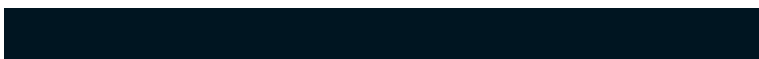
59, 32.336, 288.056



39, 3.271, 239.764



42, 38.130, 265.546



6, 11.058, 253.917

Inverse Universe

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



62, 34.494, 339.436



75, 50.950, 340.138



75, 30.617, 99.437



38, 5.618, 337.371



35, 63.273, 349.085



3, 17.405, 343.716

Previews

White Background



This preview shows how the CIELCh color 68, 18.916, 243.210 looks on a white background.

Color Contrast Check

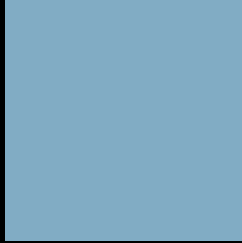
Large Text (above 18pt) WCAG AA × Fail

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 68, 18.916, 243.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

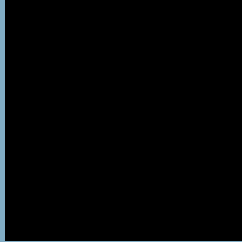
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

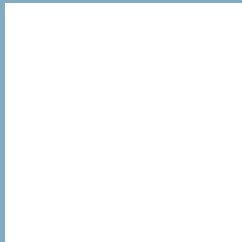
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 18.916, 243.210

Background



This preview shows how black text looks on a background with the CIELCh color 68, 18.916, 243.210.

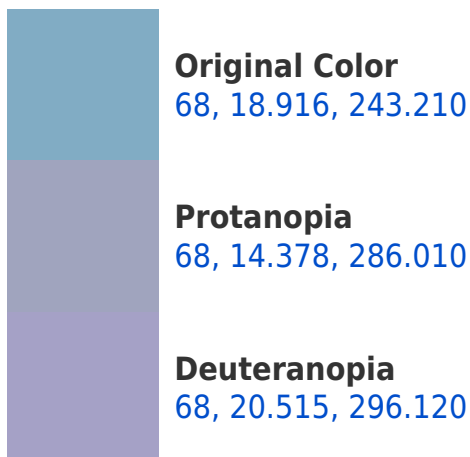


This preview shows how white text looks on a background with the CIELCh color 68, 18.916, 243.210.

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
68, 16.966, 225.528

Trichromacy



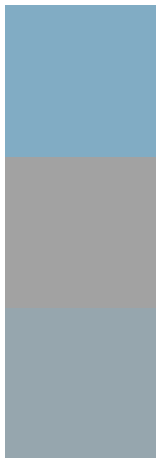
Original Color
68, 18.916, 243.210

Protanomaly
68, 14.929, 267.016

Deuteranomaly
68, 18.066, 277.744

Tritanomaly
68, 17.349, 231.265

Monochromacy



Original Color
68, 18.916, 243.210

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 7.199, 237.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 18.916, 243.210 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, 172, 196)` looks like.

```
.text, #text, p{  
    color:rgb(129, 172, 196)  
}
```

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, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 172, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 18.916, 243.210 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, 172, 196) }
```

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

```
.border{ border-color:rgb(129, 172, 196) }
```

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

Here you see how a box with a 4 pixel rgb(129, 172, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 172, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 172, 196);  
box-shadow:4px 4px 4px 4px rgb(129, 172,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 18.916, 243.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 172, 196) }
```

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

```
.background{ background-color: rgb(129,  
172, 196) }
```

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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