

Converting Colors

CIELCh(70, 16.312, 233.544)

Have a look what the booklet for
CIELCh(70, 16.312, 233.544)
contains.

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Color

CIELCh(70, 16.312, 233.544)

Conversions

Conversions Part 1

Format	Color
Hex	88B1C2
RGB	136, 177, 194
RGB Percent	53%, 69%, 76%
CMY	0.4654, 0.3046, 0.2379
CMYK	0.30, 0.09, 0.00, 0.24
HSL	198°, 32%, 65%
HSV	198°, 30%, 76%
XYZ	35.7717, 40.7494, 57.2199
YIQ	166.6790, -29.8930, -3.4050

Conversions

Conversions Part 2

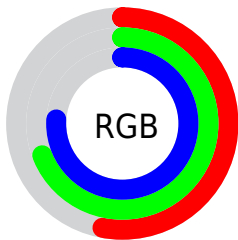
Format	Color
R_{YB}	136, 160, 194
Decimal	8958402
CIE Lab	70.00, -9.69, -13.12
CIE LCh	70, 16.312, 233.544
Yxy	40.7494, 0.2675, 0.3047
Android (android.graphics.Color)	4287148482 (0xFF88B1C2)
YUV	166.6790, 13.4693, -26.9055
Hunter-Lab	63.8353, -11.6849, -8.4610

Details

The CIELCh color **70, 16.312, 233.544** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 19.554, 49.033**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 16.092, 232.148**, and **50, 16.223, 233.819** is the 20% darker color. If you saturate the color by 10%, you get **67, 21.076, 235.028**, and if you desaturate by 10%, it is **73, 11.150, 232.378**.

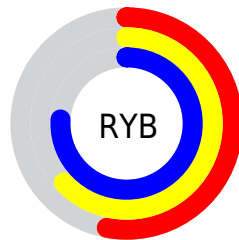
Distribution



Red (53%)

Green (69%)

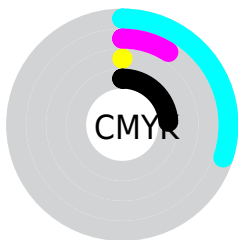
Blue (76%)



Red (53%)

Yellow (63%)

Blue (76%)

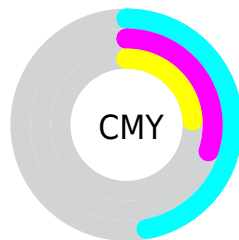


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (30%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 16.312, 233.544 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 70, 16.312, 233.544 by changing the saturation by 10% instead.


 70, 16.312,
233.544


 70, 16.312,
233.544


 100, 16.312,
233.544


 60, 16.312,
233.544


 90, 16.312,
233.544

 50, 16.312,
233.544

 40, 16.312,
233.544

 30, 16.312,
233.544

 20, 16.312,
233.544

 10, 16.312,
233.544

 0, 16.312, 233.544

70, 16.312,
233.544

70, 16.312,
233.544

67, 21.076,
235.028

73, 11.150,
232.378

65, 25.377,
236.916

76, 5.663, 231.500

79, 0.085, 44.844

62, 29.162,
239.292

82, 6.034, 50.046

60, 32.405,
242.247

85, 12.133, 49.648

58, 35.133,
245.855

88, 18.340, 49.319

89, 18.854, 58.842

56, 37.433,
250.149

91, 19.319, 69.338

54, 39.520,
254.943

92, 20.399, 78.990

54, 39.552,

Harmonies

Complementary

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



70, 16.312, 233.544



67, 19.554, 49.033

Rectangle

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



70, 16.312, 233.544



70, 16.312, 283.544



70, 16.312, 53.544



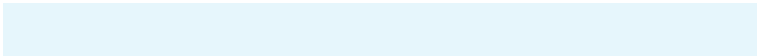
70, 16.312, 103.544

Sweetspot

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



70, 16.312, 233.540



96, 6.409, 231.450



74, 31.204, 151.252



51, 4.476, 231.558



0, 0.000, 0.000



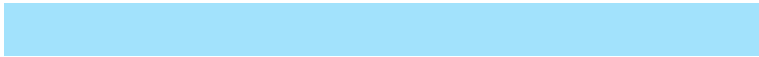
53, 0.007, 296.813

Same Dimension

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



70, 16.312, 233.540



86, 23.815, 234.499



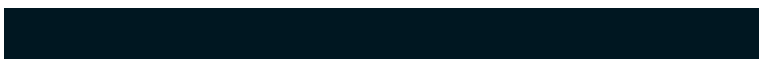
62, 25.692, 283.622



39, 3.256, 231.466



45, 34.135, 254.235



7, 10.530, 244.068

Inverse Universe

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



64, 31.286, 336.135



77, 46.526, 336.675



74, 24.927, 95.866



38, 5.885, 334.607



35, 65.763, 344.156



4, 18.370, 339.821

Previews

White Background



This preview shows how the CIELCh color 70, 16.312, 233.544 looks on a white background.

Color Contrast Check

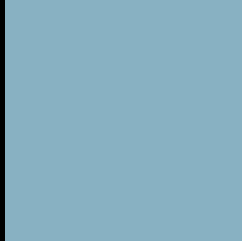
Large Text (above 18pt) WCAG AA × Fail

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 70, 16.312, 233.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

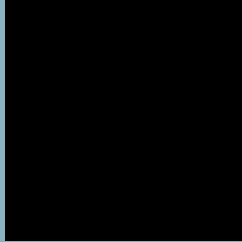
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

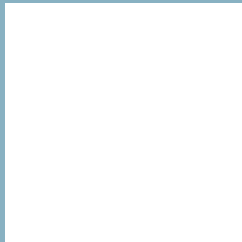
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 16.312, 233.544

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.312, 233.544.



This preview shows how white text looks on a background with the CIELCh color 70, 16.312, 233.544.

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
70, 15.857, 227.520

Trichromacy



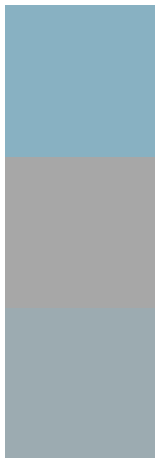
Original Color
70, 16.312, 233.544

Protanomaly
70, 11.686, 262.547

Deuteranomaly
70, 14.518, 279.126

Tritanomaly
70, 16.075, 229.365

Monochromacy



Original Color
70, 16.312, 233.544

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.300, 230.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.312, 233.544 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(136, 177, 194)` looks like.

```
.text, #text, p{  
    color:rgb(136, 177, 194)  
}
```

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(136, 177, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 177, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.312, 233.544 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(136, 177, 194) }
```

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

```
.border{ border-color:rgb(136, 177, 194) }
```

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

Here you see how a box with a 4 pixel rgb(136, 177, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 177, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 177, 194);  
box-shadow:4px 4px 4px 4px rgb(136, 177,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.312, 233.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 177, 194) }
```

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

```
.background{ background-color: rgb(136,  
177, 194) }
```

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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