

Converting Colors

CIELCh(70, 17.055, 234.676)

Have a look what the booklet for
CIELCh(70, 17.055, 234.676)
contains.

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Color

CIELCh(70, 17.100, 236.262)

Conversions

Conversions Part 1

Format	Color
Hex	87B1C4
RGB	135, 177, 196
RGB Percent	53%, 69%, 77%
CMY	0.4693, 0.3046, 0.2301
CMYK	0.31, 0.10, 0.00, 0.23
HSL	199°, 34%, 65%
HSV	199°, 31%, 77%
XYZ	35.8298, 40.7494, 58.3980
YIQ	166.6080, -31.1310, -2.9950

Conversions

Conversions Part 2

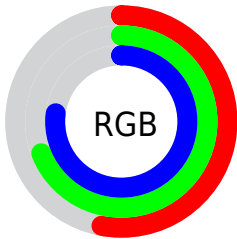
Format	Color
RYB	135, 160, 196
Decimal	8892868
CIELab	70.00, -9.50, -14.22
CIELCh	70, 17.100, 236.262
Yxy	40.7494, 0.2655, 0.3019
Android (android.graphics.Color)	4287082948 (0xFF87B1C4)
YUV	166.6080, 14.4903, -27.7202
Hunter-Lab	63.8353, -11.5223, -9.5552

Details

The CIELCh color **70, 17.100, 236.262** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 20.530, 50.987**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 17.120, 236.276**, and **50, 17.015, 236.876** is the 20% darker color. If you saturate the color by 10%, you get **67, 21.904, 237.902**, and if you desaturate by 10%, it is **73, 11.909, 234.960**.

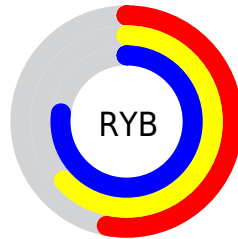
Distribution



Red (53%)

Green (69%)

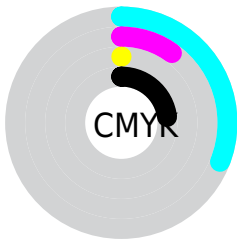
Blue (77%)



Red (53%)

Yellow (63%)

Blue (77%)

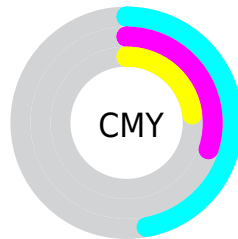


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (23%)



Cyan (47%)


Magenta (30%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 17.100, 236.262 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, 17.100, 236.262 by changing the saturation by 10% instead.


 70, 17.100,
236.262

 70, 17.100,
236.262


 100, 17.100,
236.262


 60, 17.100,
236.262


 90, 17.100,
236.262

 50, 17.100,
236.262

 40, 17.100,
236.262

 30, 17.100,
236.262

 20, 17.100,
236.262

 10, 17.100,
236.262

 0, 17.100, 236.262

70, 17.100,
236.262

70, 17.100,
236.262

67, 21.904,
237.902

73, 11.909,
234.960

65, 26.262,
239.970

76, 6.401, 233.958

79, 0.637, 233.831

62, 30.128,
242.550

82, 5.324, 52.312

60, 33.489,
245.729

85, 11.433, 51.842

57, 36.385,
249.570

88, 17.649, 51.444

90, 18.260, 62.177

55, 38.920,
254.081

92, 19.018, 73.577

53, 41.066,
258.465

93, 20.464, 83.682

Harmonies

Complementary

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



70, 17.100, 236.262



67, 20.530, 50.987

Rectangle

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



70, 17.100, 236.262



70, 17.100, 286.262



70, 17.100, 56.262



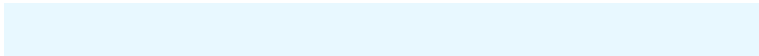
70, 17.100, 106.262

Sweetspot

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



70, 17.099, 236.258



97, 6.457, 233.799



74, 32.328, 151.765



51, 4.473, 233.919



0, 0.000, 0.000



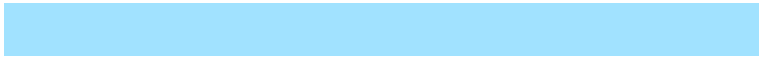
53, 0.007, 296.813

Same Dimension

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



70, 17.099, 236.258



86, 24.680, 237.283



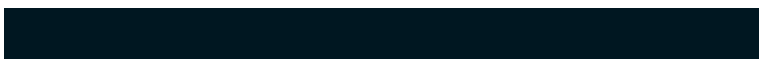
62, 27.571, 284.810



39, 3.253, 233.816



44, 35.125, 257.636



6, 10.651, 247.033

Inverse Universe

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



64, 32.426, 337.030



77, 47.583, 337.576



75, 26.588, 96.786



38, 5.808, 335.362



35, 65.005, 345.496



3, 18.080, 340.912

Previews

White Background



This preview shows how the CIELCh color 70, 17.100, 236.262 looks on a white background.

Color Contrast Check

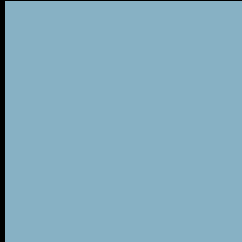
Large Text (above 18pt) WCAG AA × Fail

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, 17.100, 236.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

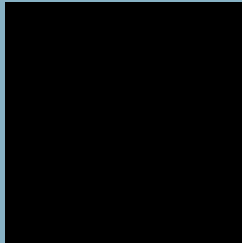
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 17.100, 236.262

Background



This preview shows how black text looks on a background with the CIELCh color 70, 17.100, 236.262.



This preview shows how white text looks on a background with the CIELCh color 70, 17.100, 236.262.

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

70, 17.100, 236.262

Protanopia

70, 12.075, 288.003

Deuteranopia

70, 18.391, 300.764



Tritanopia
70, 16.394, 226.448

Trichromacy



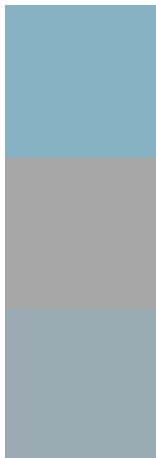
Original Color
70, 17.100, 236.262

Protanomaly
70, 12.785, 263.761

Deuteranomaly
70, 15.647, 278.931

Tritanomaly
70, 16.822, 230.012

Monochromacy



Original Color
70, 17.100, 236.262

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.869, 233.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 17.100, 236.262 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(135, 177, 196)` looks like.

```
.text, #text, p{  
    color:rgb(135, 177, 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(135, 177, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 177, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 17.100, 236.262 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(135, 177, 196) }
```

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

```
.border{ border-color:rgb(135, 177, 196) }
```

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

Here you see how a box with a 4 pixel rgb(135, 177, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 177, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 177, 196);  
box-shadow:4px 4px 4px 4px rgb(135, 177,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 17.100, 236.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 177, 196) }
```

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

```
.background{ background-color: rgb(135,  
177, 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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