

Converting Colors

CIELCh(70, 18.796, 235.116)

Have a look what the booklet for
CIELCh(70, 18.796, 235.116)
contains.

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Color

CIELCh(70, 18.789, 234.312)

Conversions

Conversions Part 1

Format	Color
Hex	82B2C6
RGB	130, 178, 198
RGB Percent	51%, 70%, 78%
CMY	0.4896, 0.3013, 0.2229
CMYK	0.34, 0.10, 0.00, 0.22
HSL	198°, 37%, 64%
HSV	198°, 34%, 78%
XYZ	35.3960, 40.7494, 59.5269
YIQ	165.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

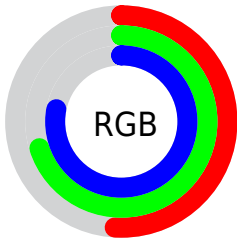
Format	Color
RYB	130, 158, 198
Decimal	8565446
CIELab	70.00, -10.96, -15.26
CIElCh	70, 18.789, 234.312
Yxy	40.7494, 0.2609, 0.3004
Android (android.graphics.Color)	4286755526 (0xFF82B2C6)
YUV	165.9280, 15.8115, -31.5089
Hunter-Lab	63.8353, -12.7354, -10.6037

Details

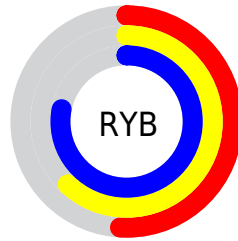
The CIELCh color **70, 18.789, 234.312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 23.240, 48.958**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 18.820, 234.234**, and **50, 18.839, 234.619** is the 20% darker color. If you saturate the color by 10%, you get **67, 23.428, 235.976**, and if you desaturate by 10%, it is **73, 13.716, 233.001**.

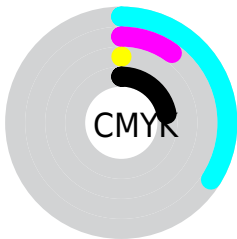
Distribution



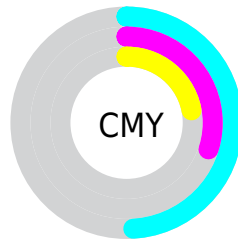
- Red (51%)
- Green (70%)
- Blue (78%)



- Red (51%)
- Yellow (62%)
- Blue (78%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)





- Cyan (49%)
- Magenta (30%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 18.789, 234.312 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, 18.789, 234.312 by changing the saturation by 10% instead.


 70, 18.789,
234.312


 70, 18.789,
234.312


 100, 18.789,
234.312


 60, 18.789,
234.312


 90, 18.789,
234.312

 50, 18.789,
234.312

 40, 18.789,
234.312

 30, 18.789,
234.312

 20, 18.789,
234.312

 10, 18.789,
234.312

 0, 18.789, 234.312

70, 18.789,
234.312

70, 18.789,
234.312

67, 23.428,
235.976

73, 13.716,
233.001

65, 27.570,
238.084

76, 8.280, 231.990

79, 2.551, 231.317

62, 31.172,
240.724

82, 3.408, 50.337

60, 34.231,
243.981

85, 9.540, 49.936

58, 36.800,
247.917

88, 15.801, 49.571

90, 17.562, 57.702

56, 39.004,
252.524

91, 18.009, 69.251

55, 40.219,
255.278

93, 19.146, 79.786

Harmonies

Complementary

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



70, 18.789, 234.312



66, 23.240, 48.958

Rectangle

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



70, 18.789, 234.312



70, 18.789, 284.312



70, 18.789, 54.312



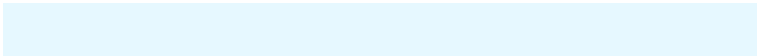
70, 18.789, 104.312

Sweetspot

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



70, 18.788, 234.309



96, 7.163, 231.652



74, 36.374, 150.796



51, 4.872, 231.762



0, 0.000, 0.000



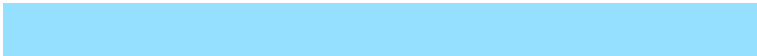
53, 0.007, 296.813

Same Dimension

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



70, 18.788, 234.309



86, 26.866, 235.485



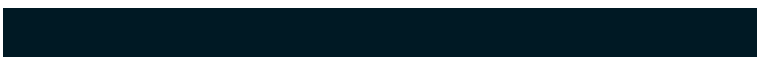
61, 30.210, 284.449



40, 3.326, 231.597



46, 34.604, 254.495



7, 11.334, 243.717

Inverse Universe

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



63, 36.461, 336.539



75, 53.133, 337.149



75, 29.136, 95.311



39, 6.008, 334.650



36, 66.471, 344.255



4, 20.668, 340.217

Previews

White Background



This preview shows how the CIELCh color 70, 18.789, 234.312 looks on a white background.

Color Contrast Check

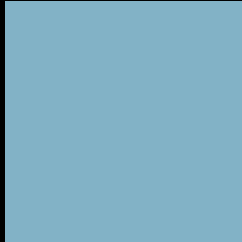
Large Text (above 18pt) WCAG AA × Fail

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, 18.789, 234.312 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, 18.789, 234.312

Background



This preview shows how black text looks on a background with the CIELCh color 70, 18.789, 234.312.



This preview shows how white text looks on a background with the CIELCh color 70, 18.789, 234.312.

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, 18.789, 234.312

Protanopia
70, 12.621, 288.211

Deuteranopia
70, 19.379, 298.276



Tritanopia
70, 17.991, 223.641

Trichromacy



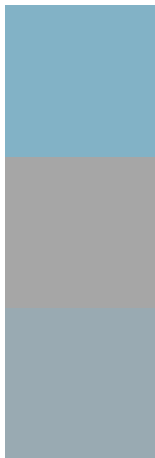
Original Color
70, 18.789, 234.312

Protanomaly
70, 13.408, 263.655

Deuteranomaly
70, 16.921, 276.560

Tritanomaly
70, 18.357, 226.982

Monochromacy



Original Color
70, 18.789, 234.312

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 7.452, 235.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 18.789, 234.312 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(130, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(130, 178, 198)  
}
```

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(130, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 178, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 18.789, 234.312 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(130, 178, 198) }
```

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

```
.border{ border-color:rgb(130, 178, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 178, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(130, 178,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 18.789, 234.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 178, 198) }
```

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

```
.background{ background-color: rgb(130,  
178, 198) }
```

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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