

Converting Colors

CIELCh(70, 16.134, 275.697)

Have a look what the booklet for
CIELCh(70, 16.134, 275.697)
contains.

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Color

CIELCh(70, 16.380, 275.948)

Conversions

Conversions Part 1

Format	Color
Hex	9EABC8
RGB	158, 171, 200
RGB Percent	62%, 67%, 78%
CMY	0.3790, 0.3280, 0.2143
CMYK	0.21, 0.14, 0.00, 0.21
HSL	221°, 28%, 70%
HSV	221°, 21%, 79%
XYZ	39.2656, 40.7494, 60.6602
YIQ	170.4190, -17.0570, 6.2630

Conversions

Conversions Part 2

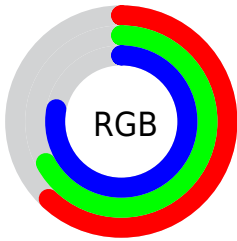
Format	Color
R _Y B	158, 168, 200
Decimal	10398664
CIE Lab	70.00, 1.70, -16.29
CIE LCh	70, 16.380, 275.948
Yxy	40.7494, 0.2791, 0.2897
Android (android.graphics.Color)	4288588744 (0xFF9EABC8)
YUV	170.4190, 14.5834, -10.8915
Hunter-Lab	63.8353, -1.9149, -11.6563

Details

The CIELCh color `70, 16.380, 275.948` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `76, 16.359, 90.360`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 15.587, 275.268`, and `50, 16.316, 275.775` is the 20% darker color. If you saturate the color by 10%, you get `65, 24.419, 277.721`, and if you desaturate by 10%, it is `75, 8.492, 274.433`.

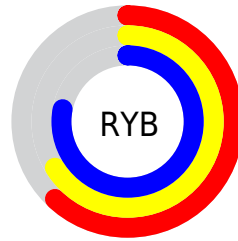
Distribution



Red (62%)

Green (67%)

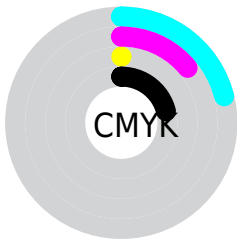
Blue (78%)



Red (62%)

Yellow (66%)

Blue (78%)

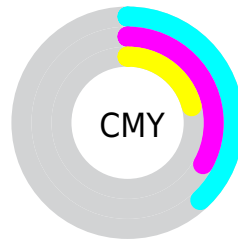


Cyan (21%)

Magenta (14%)

Yellow (0%)

Black (21%)



Cyan (38%)


Magenta (33%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 16.380, 275.948 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, 16.380, 275.948 by changing the saturation by 10% instead.


 70, 16.380,
275.948


 70, 16.380,
275.948


 100, 16.380,
275.948


 60, 16.380,
275.948


 90, 16.380,
275.948

 50, 16.380,
275.948

 40, 16.380,
275.948

 30, 16.380,
275.948

 20, 16.380,
275.948

 10, 16.380,
275.948

 0, 16.380, 275.948

70, 16.380,
275.948

70, 16.380,
275.948

65, 24.419,
277.721

75, 8.492, 274.433

60, 32.626,
279.799

80, 0.750, 273.398

55, 41.024,
282.217

85, 6.849, 91.935

50, 49.643,
284.998

90, 14.307, 90.971

45, 58.514,
288.127

95, 21.229, 93.579

41, 67.630,
291.530

99, 27.247,
107.598

37, 76.879,
295.050

99, 27.554,
108.085

33, 85.120,

Harmonies

Complementary

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



70, 16.380, 275.948



76, 16.359, 90.360

Rectangle

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



70, 16.380, 275.948



70, 16.380, 325.948



70, 16.380, 95.948



70, 16.380, 145.948

Sweetspot

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



70, 16.379, 275.945



96, 5.629, 273.791



78, 16.709, 172.841



51, 3.735, 273.873



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, 16.379, 275.945



84, 23.848, 276.690



67, 23.455, 299.026



39, 4.359, 274.216



27, 71.980, 297.545



3, 17.002, 281.989

Inverse Universe

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



69, 17.632, 357.428



84, 25.750, 357.972



79, 22.412, 115.881



39, 4.639, 356.129



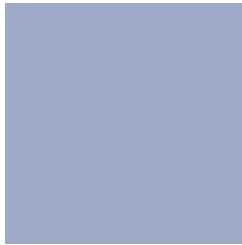
34, 62.339, 19.663



4, 16.559, 3.755

Previews

White Background



This preview shows how the CIELCh color 70, 16.380, 275.948 looks on a white background.

Color Contrast Check

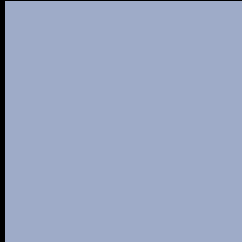
Large Text (above 18pt) WCAG AA × Fail

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 70, 16.380, 275.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

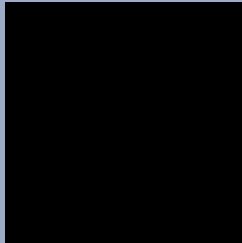
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

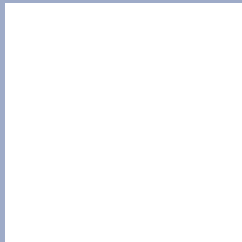
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 16.380, 275.948

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.380, 275.948.



This preview shows how white text looks on a background with the CIELCh color 70, 16.380, 275.948.

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, 16.380, 275.948

Protanopia

70, 16.478, 286.970

Deuteranopia

70, 18.814, 298.414



Tritanopia
70, 9.423, 248.307

Trichromacy



Original Color
70, 16.380, 275.948

Protanomaly
70, 16.018, 283.039

Deuteranomaly
70, 17.536, 290.774

Tritanomaly
70, 11.675, 262.532

Monochromacy



Original Color
70, 16.380, 275.948

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.263, 273.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.380, 275.948 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(158, 171, 200)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 200)  
}
```

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(158, 171, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.380, 275.948 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(158, 171, 200) }
```

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

```
.border{ border-color:rgb(158, 171, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 171, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 171, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 171, 200);  
box-shadow:4px 4px 4px 4px rgb(158, 171,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.380, 275.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 200) }
```

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

```
.background{ background-color: rgb(158,  
171, 200) }
```

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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