

Converting Colors

CIELCh(71, 15.972, 270.841)

Have a look what the booklet for
CIELCh(71, 15.972, 270.841)
contains.

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Color

CIELCh(71, 16.183, 270.676)

Conversions

Conversions Part 1

Format	Color
Hex	9EAFCB
RGB	158, 175, 203
RGB Percent	62%, 69%, 80%
CMY	0.3808, 0.3141, 0.2043
CMYK	0.22, 0.14, 0.00, 0.20
HSL	217°, 30%, 71%
HSV	217°, 22%, 80%
XYZ	40.1592, 42.1875, 62.4627
YIQ	173.1090, -19.1200, 5.1040

Conversions

Conversions Part 2

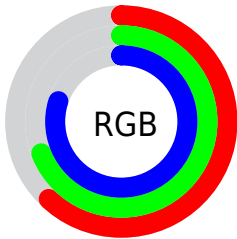
Format	Color
R _Y B	158, 170, 203
Decimal	10399691
CIE Lab	71.00, 0.19, -16.18
CIE LCh	71, 16.183, 270.676
Yxy	42.1875, 0.2773, 0.2913
Android (android.graphics.Color)	4288589771 (0xFF9EAFCB)
YUV	173.1090, 14.7363, -13.2506
Hunter-Lab	64.9519, -3.3007, -11.5515

Details

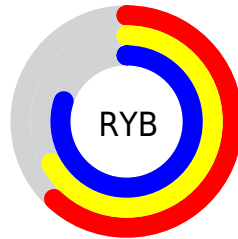
The CIELCh color $71, 16.183, 270.676$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $76, 16.467, 84.540$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 14.017, 267.363$, and $51, 16.084, 270.233$ is the 20% darker color. If you saturate the color by 10%, you get $66, 23.588, 272.551$, and if you desaturate by 10%, it is $76, 8.845, 269.079$.

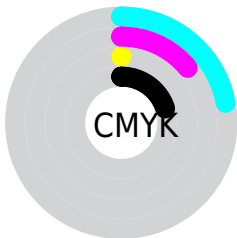
Distribution



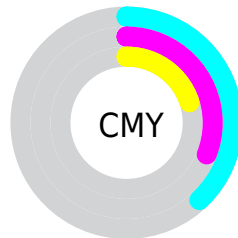
- Red (62%)
- Green (69%)
- Blue (80%)



- Red (62%)
- Yellow (67%)
- Blue (80%)



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 16.183, 270.676 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 71, 16.183, 270.676 by changing the saturation by 10% instead.

■ 71, 16.183,
270.676

■ 71, 16.183,
270.676

■ 100, 16.183,
270.676

■ 61, 16.183,
270.676

■ 91, 16.183,
270.676

■ 51, 16.183,
270.676

■ 41, 16.183,
270.676

■ 31, 16.183,
270.676

■ 21, 16.183,
270.676

■ 11, 16.183,
270.676

■ 1, 16.183, 270.676

0, 16.183, 270.676

71, 16.183,
270.676

71, 16.183,
270.676

66, 23.588,
272.551

76, 8.845, 269.079

61, 31.067,
274.757

81, 1.580, 267.846

85, 5.608, 86.437

57, 38.634,
277.333

90, 12.711, 85.439

52, 46.321,
280.308

95, 19.090, 89.103

98, 24.228,
104.440

48, 54.170,
283.675

99, 26.286,
108.182

44, 62.223,
287.367

■ 40, 70.472,
291.238

■ 37, 77.008,
294.170

Harmonies

Complementary

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



71, 16.183, 270.676



76, 16.467, 84.540

Rectangle

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



71, 16.183, 270.676



71, 16.183, 320.676



71, 16.183, 90.676



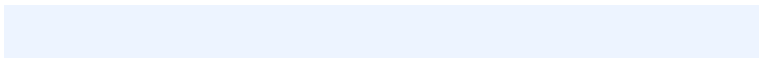
71, 16.183, 140.676

Sweetspot

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



71, 16.182, 270.672



96, 6.109, 268.375



78, 18.679, 168.373



51, 3.970, 268.456



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 16.182, 270.672



84, 23.774, 271.609



67, 25.021, 296.798



40, 4.134, 268.684



30, 65.248, 293.587



4, 17.419, 279.793

Inverse Universe

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



70, 19.512, 352.985



82, 28.771, 353.609



80, 23.792, 113.009



40, 4.918, 351.605



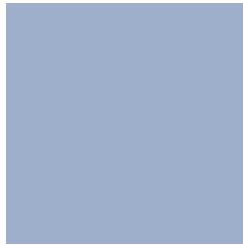
35, 61.647, 13.331



4, 18.948, 0.785

Previews

White Background



This preview shows how the CIELCh color 71, 16.183, 270.676 looks on a white background.

Color Contrast Check

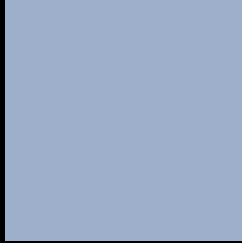
Large Text (above 18pt) WCAG AA × Fail

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 71, 16.183, 270.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

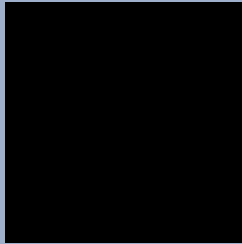
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 16.183, 270.676

Background



This preview shows how black text looks on a background with the CIELCh color 71, 16.183, 270.676.



This preview shows how white text looks on a background with the CIELCh color 71, 16.183, 270.676.

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

71, 16.183, 270.676

Protanopia

71, 15.883, 286.707

Deuteranopia

71, 19.360, 299.285



Tritanopia
71, 10.460, 246.147

Trichromacy



Original Color
71, 16.183, 270.676

Protanomaly
71, 16.068, 280.590

Deuteranomaly
71, 18.048, 289.750

Tritanomaly
71, 12.134, 258.198

Monochromacy



Original Color
71, 16.183, 270.676

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 5.843, 268.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 16.183, 270.676 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, 175, 203)` looks like.

```
.text, #text, p{  
    color:rgb(158, 175, 203)  
}
```

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, 175, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 175, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 16.183, 270.676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

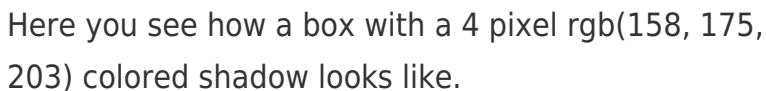
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 175, 203) }
```

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

```
.border{ border-color:rgb(158, 175, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 175, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 175, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 175, 203);  
box-shadow:4px 4px 4px 4px rgb(158, 175,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 16.183, 270.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 175, 203) }
```

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

```
.background{ background-color: rgb(158,  
175, 203) }
```

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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