

# Converting Colors

CIELCh(71, 17.867, 264.399)

Have a look what the booklet for  
CIELCh(71, 17.867, 264.399)  
contains.

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# Color

**CIELCh(71, 17.991, 265.228)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98B0CE
RGB	152, 176, 206
RGB Percent	60%, 69%, 81%
CMY	0.4039, 0.3098, 0.1921
CMYK	0.26, 0.15, 0.00, 0.19
HSL	213°, 36%, 70%
HSV	213°, 26%, 81%
XYZ	39.6198, 42.1875, 64.4532
YIQ	172.2440, -23.9340, 4.2420

# Conversions

## Conversions Part 2

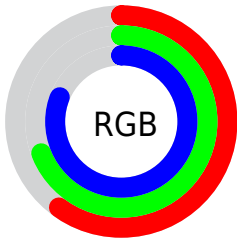
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 169, 206
Decimal	10006734
CIE Lab	71.00, -1.50, -17.93
CIE LCh	71, 17.991, 265.228
Yxy	42.1875, 0.2709, 0.2884
Android (android.graphics.Color)	4288196814 (0xFF98B0CE)
YUV	172.2440, 16.6417, -17.7540
Hunter-Lab	64.9519, -4.7833, -13.3684

# Details

The CIELCh color  $71, 17.991, 265.228$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $75, 18.857, 77.800$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 14.318, 255.804$ , and  $51, 17.959, 264.948$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 24.820, 267.274$ , and if you desaturate by 10%, it is  $75, 11.136, 263.496$ .

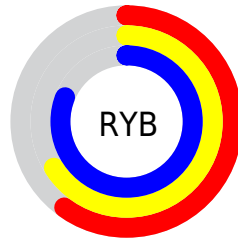
# Distribution



Red (60%)

Green (69%)

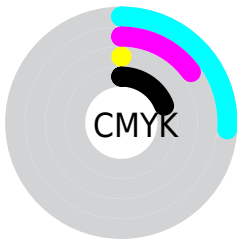
Blue (81%)



Red (60%)

Yellow (66%)

Blue (81%)

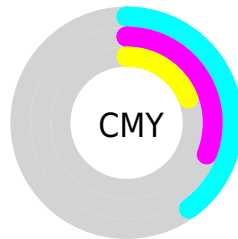


Cyan (26%)

Magenta (15%)

Yellow (0%)

Black (19%)



Cyan (40%)

Magenta (31%)


Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 17.991, 265.228 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, 17.991, 265.228 by changing the saturation by 10% instead.





 71, 17.991,  
265.228


 71, 17.991,  
265.228


 100, 17.991,  
265.228


 61, 17.991,  
265.228


 91, 17.991,  
265.228

 51, 17.991,  
265.228

 41, 17.991,  
265.228

 31, 17.991,  
265.228

 21, 17.991,  
265.228

 11, 17.991,  
265.228

 1, 17.991, 265.228

0, 17.991, 265.228

71, 17.991,  
265.228

71, 17.991,  
265.228

67, 24.820,  
267.274

75, 11.136,  
263.496

62, 31.622,  
269.693

80, 4.270, 262.065

58, 38.406,  
272.530

84, 2.590, 80.598

89, 9.428, 79.606

54, 45.203,  
275.815

94, 16.227, 78.704

50, 52.071,  
279.533

96, 20.059, 97.495

99, 24.729,  
108.302

46, 59.081,  
283.603

■ 43, 66.284,  
287.850

■ 41, 69.077,  
289.380

# Harmonies

# Complementary

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



71, 17.991, 265.228



75, 18.857, 77.800

# Rectangle

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



71, 17.991, 265.228



71, 17.991, 315.228



71, 17.991, 85.228



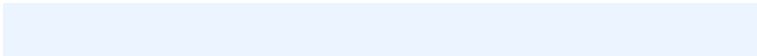
71, 17.991, 135.228

# Sweetspot

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



71, 17.990, 265.225



96, 6.538, 262.309



79, 23.408, 163.994



50, 4.646, 262.516



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, 17.990, 265.225



83, 25.283, 266.242



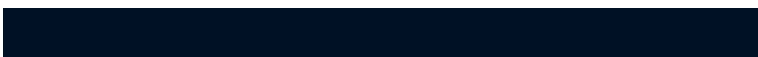
65, 30.119, 294.981



41, 3.867, 262.484



33, 57.821, 288.684



5, 16.194, 275.625



# Inverse Universe

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



69, 24.317, 349.275



80, 34.307, 349.887



81, 28.307, 109.820



40, 5.122, 347.528



35, 61.153, 6.913

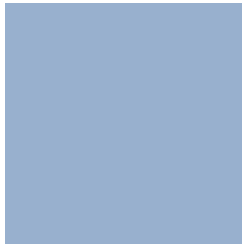


4, 19.418, 356.929



# Previews

## White Background



This preview shows how the CIELCh color 71, 17.991, 265.228 looks on a white background.

## Color Contrast Check

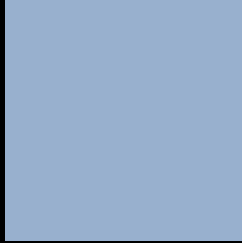
Large Text (above 18pt) WCAG AA × Fail

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, 17.991, 265.228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

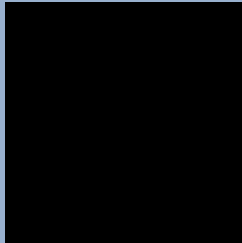
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 17.991, 265.228

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 17.991, 265.228.



This preview shows how white text looks on a background with the CIELCh color 71, 17.991, 265.228.

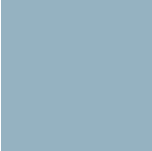
# Color Blindness Simulation

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**  
71, 12.720, 239.095

# Trichromacy



**Original Color**  
71, 17.991, 265.228

**Protanomaly**  
71, 17.253, 279.239

**Deuteranomaly**  
71, 19.188, 285.917

**Tritanomaly**  
71, 14.461, 251.736

# Monochromacy



**Original Color**  
71, 17.991, 265.228

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 6.622, 264.876

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 17.991, 265.228 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(152, 176, 206)` looks like.

```
.text, #text, p{  
    color:rgb(152, 176, 206)  
}
```

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(152, 176, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 176, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 17.991, 265.228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

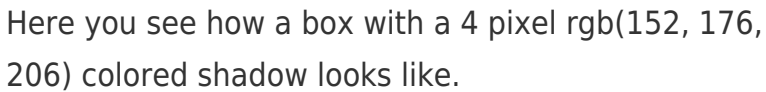
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 176, 206) }
```

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

```
.border{ border-color:rgb(152, 176, 206) }
```

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



Here you see how a box with a 4 pixel rgb(152, 176, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 176, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 176, 206);  
box-shadow:4px 4px 4px 4px rgb(152, 176,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 17.991, 265.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 176, 206) }
```

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

```
.background{ background-color: rgb(152,  
176, 206) }
```

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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