

# Converting Colors

CIELCh(71, 13.091, 188.722)

Have a look what the booklet for  
CIELCh(71, 13.091, 188.722)  
contains.

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# Color

**CIELCh(71, 13.091, 188.722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91B5B1
RGB	145, 181, 177
RGB Percent	57%, 71%, 69%
CMY	0.4317, 0.2906, 0.3063
CMYK	0.20, 0.00, 0.02, 0.29
HSL	173°, 20%, 64%
HSV	173°, 20%, 71%
XYZ	36.0887, 42.1875, 47.7830
YIQ	169.7800, -20.1720, -8.8760

# Conversions

## Conversions Part 2

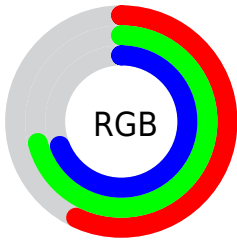
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 164, 181
Decimal	9549233
CIELab	71.00, -12.94, -1.99
CIElCh	71, 13.091, 188.722
Yxy	42.1875, 0.2863, 0.3347
Android (android.graphics.Color)	4287739313 (0xFF91B5B1)
YUV	169.7800, 3.5595, -21.7321
Hunter-Lab	64.9519, -14.4873, 1.8486

# Details

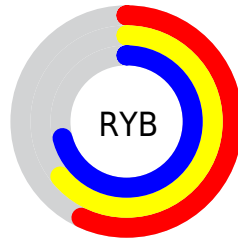
The CIELCh color **71, 13.091, 188.722** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 14.491, 12.062**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 13.221, 189.506**, and **51, 13.009, 187.680** is the 20% darker color. If you saturate the color by 10%, you get **70, 19.143, 187.895**, and if you desaturate by 10%, it is **72, 6.652, 189.546**.

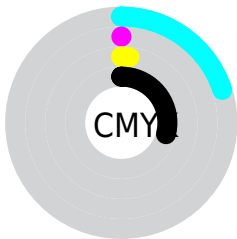
# Distribution



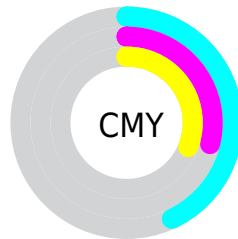
- Red (57%)
- Green (71%)
- Blue (69%)



- Red (57%)
- Yellow (64%)
- Blue (71%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)




- Cyan (43%)
- Magenta (29%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.091, 188.722 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, 13.091, 188.722 by changing the saturation by 10% instead.





 71, 13.091,  
188.722


 71, 13.091,  
188.722


 100, 13.091,  
188.722


 61, 13.091,  
188.722


 91, 13.091,  
188.722

 51, 13.091,  
188.722

 41, 13.091,  
188.722

 31, 13.091,  
188.722

 21, 13.091,  
188.722

 11, 13.091,  
188.722

 1, 13.091, 188.722

0, 13.091, 188.722

71, 13.091,  
188.722

71, 13.091,  
188.722

70, 19.143,  
187.895

72, 6.652, 189.546

69, 24.693,  
187.057

74, 0.072, 3.360

75, 6.987, 10.945

68, 29.634,  
186.189

77, 14.017, 11.735

67, 33.867,  
185.278

79, 21.096, 12.489

81, 28.176, 13.224

67, 37.321,  
184.309

81, 28.831, 11.376

67, 39.963,  
183.262

81, 28.923, 9.297

■ 66, 41.816,  
182.119

■ 81, 29.056, 7.236

■ 66, 43.063,  
180.894

■ 66, 43.075,  
180.882

# Harmonies

# Complementary

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



71, 13.091, 188.722



64, 14.491, 12.062

# Rectangle

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



71, 13.091, 188.722



71, 13.091, 238.722



71, 13.091, 8.722



71, 13.091, 58.722

# Sweetspot

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



71, 13.092, 188.717



92, 5.013, 189.888



70, 23.163, 140.174



49, 3.319, 189.827



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



71, 13.092, 188.717



89, 19.282, 188.348



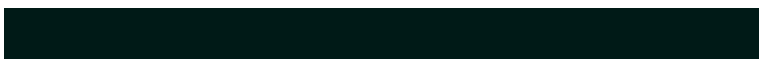
67, 10.756, 244.238



37, 3.769, 189.596



57, 38.005, 181.062



7, 9.439, 186.080



# Inverse Universe

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



64, 14.491, 12.062



78, 21.883, 12.596



67, 11.768, 59.953



35, 3.946, 10.953



31, 66.727, 34.536

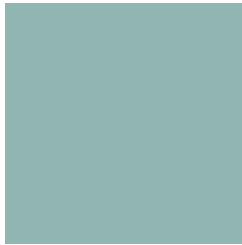


2, 9.242, 12.300



# Previews

## White Background



This preview shows how the CIELCh color 71, 13.091, 188.722 looks on a white background.

## Color Contrast Check

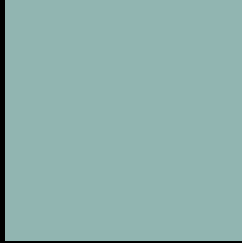
Large Text (above 18pt) WCAG AA × Fail

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 71, 13.091, 188.722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

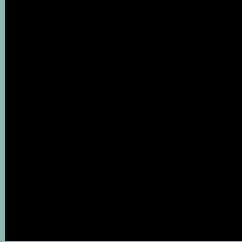
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

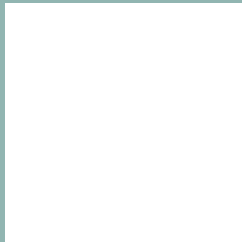
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 13.091, 188.722

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.091, 188.722.

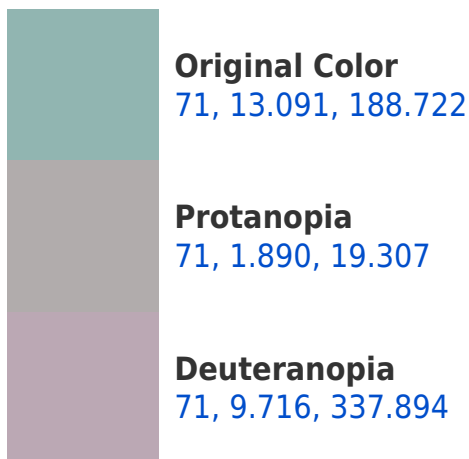


This preview shows how white text looks on a background with the CIELCh color 71, 13.091, 188.722.

# 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

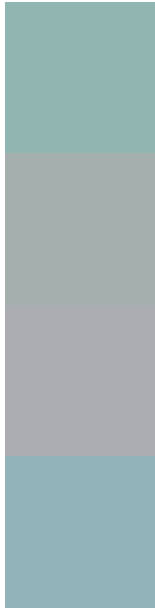






**Tritanopia**  
71, 12.969, 238.153

# Trichromacy



**Original Color**  
71, 13.091, 188.722

**Protanomaly**  
71, 3.753, 190.844

**Deuteranomaly**  
71, 3.298, 284.089

**Tritanomaly**  
71, 11.871, 220.314

# Monochromacy



**Original Color**  
71, 13.091, 188.722

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 4.843, 192.598

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 13.091, 188.722 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(145, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(145, 181, 177)  
}
```

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(145, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 181, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 13.091, 188.722 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(145, 181, 177) }
```

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

```
.border{ border-color:rgb(145, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(145, 181,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 13.091, 188.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 181, 177) }
```

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

```
.background{ background-color: rgb(145,  
181, 177) }
```

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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