

Converting Colors

CIELCh(71, 13.678, 188.114)

Have a look what the booklet for
CIELCh(71, 13.678, 188.114)
contains.

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Color

CIELCh(71, 13.422, 188.931)

Conversions

Conversions Part 1

Format	Color
Hex	90B5B1
RGB	144, 181, 177
RGB Percent	56%, 71%, 69%
CMY	0.4350, 0.2899, 0.3056
CMYK	0.20, 0.00, 0.02, 0.29
HSL	174°, 20%, 64%
HSV	174°, 20%, 71%
XYZ	35.9932, 42.1875, 47.8760
YIQ	169.4810, -20.7680, -9.0880

Conversions

Conversions Part 2

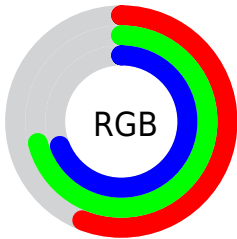
Format	Color
RYB	144, 164, 181
Decimal	9483697
CIELab	71.00, -13.26, -2.08
CIElCh	71, 13.422, 188.931
Yxy	42.1875, 0.2855, 0.3347
Android (android.graphics.Color)	4287673777 (0xFF90B5B1)
YUV	169.4810, 3.7069, -22.3468
Hunter-Lab	64.9519, -14.7497, 1.7637

Details

The CIELCh color **71, 13.422, 188.931** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 14.913, 12.358**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 13.543, 189.698**, and **51, 13.345, 187.904** is the 20% darker color. If you saturate the color by 10%, you get **70, 19.443, 188.111**, and if you desaturate by 10%, it is **72, 7.005, 189.747**.

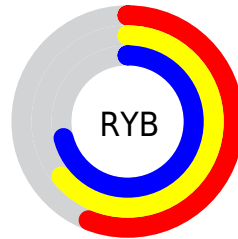
Distribution



Red (56%)

Green (71%)

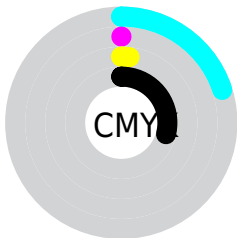
Blue (69%)



Red (56%)

Yellow (64%)

Blue (71%)

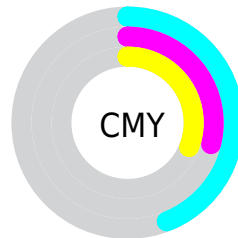


Cyan (20%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (44%)


Magenta (29%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.422, 188.931 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, 13.422, 188.931 by changing the saturation by 10% instead.


 71, 13.422,
188.931


 71, 13.422,
188.931


 100, 13.422,
188.931


 61, 13.422,
188.931


 91, 13.422,
188.931

 51, 13.422,
188.931

 41, 13.422,
188.931

 31, 13.422,
188.931

 21, 13.422,
188.931

 11, 13.422,
188.931

 1, 13.422, 188.931

0, 13.422, 188.931

71, 13.422,
188.931

71, 13.422,
188.931

70, 19.443,
188.111

72, 7.005, 189.747

69, 24.955,
187.280

74, 0.295, 192.129

75, 6.614, 11.138

68, 29.848,
186.422

77, 13.642, 11.929

68, 34.027,
185.522

79, 20.726, 12.682

80, 27.813, 13.416

67, 37.421,
184.564

81, 28.748, 11.725

67, 40.003,
183.531

81, 28.831, 9.693

■ 66, 41.797,
182.405

■ 81, 28.953, 7.676

■ 66, 42.958,
181.255

Harmonies

Complementary

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



71, 13.422, 188.931



63, 14.913, 12.358

Rectangle

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



71, 13.422, 188.931



71, 13.422, 238.931



71, 13.422, 8.931



71, 13.422, 58.931

Sweetspot

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



71, 13.423, 188.926



92, 5.009, 190.133



70, 23.810, 140.140



49, 3.316, 190.073



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, 13.423, 188.926



89, 20.005, 188.521



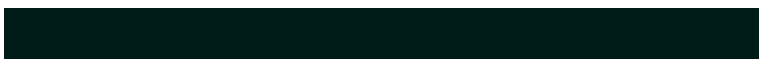
67, 11.044, 244.313



38, 3.854, 189.840



58, 38.345, 181.414



8, 10.961, 185.784

Inverse Universe

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



63, 14.913, 12.358



77, 22.858, 12.956



67, 12.117, 59.904



36, 4.037, 11.194



32, 67.720, 34.774



2, 10.724, 12.854

Previews

White Background



This preview shows how the CIELCh color 71, 13.422, 188.931 looks on a white background.

Color Contrast Check

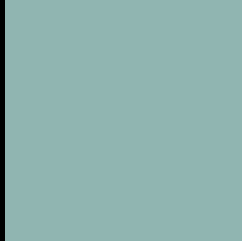
Large Text (above 18pt) WCAG AA × Fail

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, 13.422, 188.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

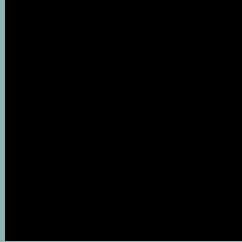
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 13.422, 188.931

Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.422, 188.931.

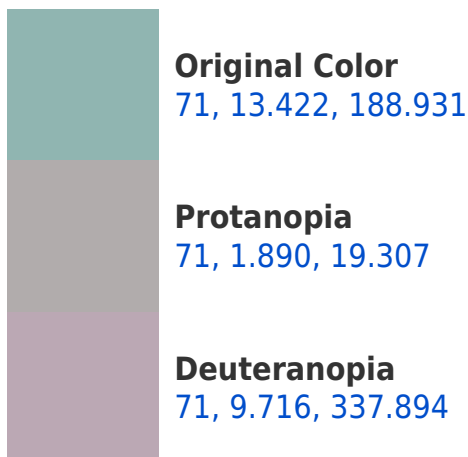


This preview shows how white text looks on a background with the CIELCh color 71, 13.422, 188.931.

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, 13.183, 234.321

Trichromacy



Original Color
71, 13.422, 188.931

Protanomaly
71, 3.753, 190.844

Deuteranomaly
71, 3.354, 277.809

Tritanomaly
71, 12.340, 216.676

Monochromacy



Original Color
71, 13.422, 188.931

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, 13.422, 188.931 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(144, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 181, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 13.422, 188.931 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(144, 181, 177) }
```

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

```
.border{ border-color:rgb(144, 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(144, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(144, 181,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 13.422, 188.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 181, 177) }
```

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

```
.background{ background-color: rgb(144,  
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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