

Converting Colors

CIELCh(71, 13.128, 220.445)

Have a look what the booklet for
CIELCh(71, 13.128, 220.445)
contains.

CIELCh(71, 13.225, 220.450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 13.225, 220.450)

Conversions

Conversions Part 1

Format	Color
Hex	90B4BD
RGB	144, 180, 189
RGB Percent	56%, 71%, 74%
CMY	0.4357, 0.2945, 0.2592
CMYK	0.24, 0.05, 0.00, 0.26
HSL	192°, 25%, 65%
HSV	192°, 24%, 74%
XYZ	36.9555, 42.1875, 54.2771
YIQ	170.2620, -24.3450, -4.8330

Conversions

Conversions Part 2

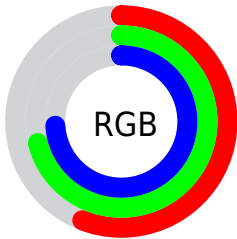
Format	Color
RYB	144, 164, 189
Decimal	9483453
CIELab	71.00, -10.06, -8.58
CIELCh	71, 13.225, 220.450
Yxy	42.1875, 0.2770, 0.3162
Android (android.graphics.Color)	4287673533 (0xFF90B4BD)
YUV	170.2620, 9.2378, -23.0318
Hunter-Lab	64.9519, -12.1052, -4.0794

Details

The CIELCh color **71, 13.225, 220.450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 15.499, 39.164**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 13.096, 219.654**, and **51, 13.345, 221.571** is the 20% darker color. If you saturate the color by 10%, you get **69, 18.114, 221.140**, and if you desaturate by 10%, it is **73, 7.906, 219.969**.

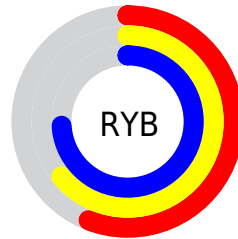
Distribution



Red (56%)

Green (71%)

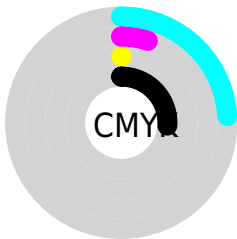
Blue (74%)



Red (56%)

Yellow (64%)

Blue (74%)

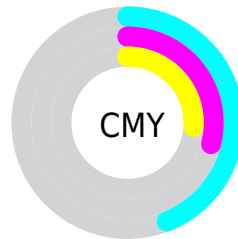


Cyan (24%)

Magenta (5%)

Yellow (0%)

Black (26%)



Cyan (44%)


Magenta (29%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.225, 220.450 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, 13.225, 220.450 by changing the saturation by 10% instead.


 71, 13.225,
220.450


 71, 13.225,
220.450


 100, 13.225,
220.450


 61, 13.225,
220.450


 91, 13.225,
220.450

 51, 13.225,
220.450

 41, 13.225,
220.450

 31, 13.225,
220.450

 21, 13.225,
220.450

 11, 13.225,
220.450

 1, 13.225, 220.450

0, 13.225, 220.450

71, 13.225,
220.450

71, 13.225,
220.450

69, 18.114,
221.140

73, 7.906, 219.969

67, 22.486,
222.101

76, 2.242, 219.795

65, 26.257,
223.389

78, 3.692, 39.209

63, 29.358,
225.078

81, 9.831, 39.180

62, 31.754,
227.250

83, 16.119, 39.159

60, 33.458,
229.985

86, 21.668, 39.872

87, 21.086, 45.957

88, 20.760, 52.307

■ 59, 34.552,
233.342

■ 88, 20.701, 58.769

■ 58, 35.067,
235.623

Harmonies

Complementary

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



71, 13.225, 220.450



66, 15.499, 39.164

Rectangle

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



71, 13.225, 220.450



71, 13.225, 270.450



71, 13.225, 40.450



71, 13.225, 90.450

Sweetspot

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



71, 13.225, 220.444



94, 5.029, 219.785



73, 26.240, 148.266



50, 3.261, 219.795



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 13.225, 220.444



88, 19.491, 220.807



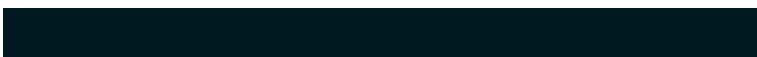
65, 17.632, 275.873



39, 3.277, 219.830



49, 30.702, 235.042



7, 9.499, 228.632

Inverse Universe

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



65, 26.033, 332.022



79, 39.098, 332.400



72, 17.643, 89.444



37, 6.152, 331.074



36, 69.356, 338.010



3, 17.626, 334.206

Previews

White Background



This preview shows how the CIELCh color 71, 13.225, 220.450 looks on a white background.

Color Contrast Check

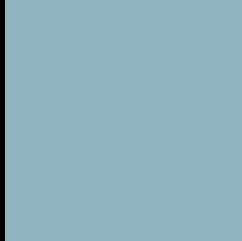
Large Text (above 18pt) WCAG AA × Fail

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, 13.225, 220.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

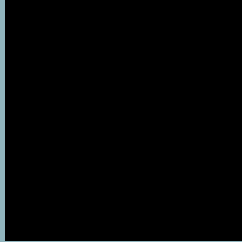
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

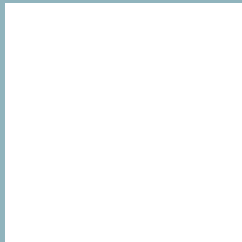
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 13.225, 220.450

Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.225, 220.450.



This preview shows how white text looks on a background with the CIELCh color 71, 13.225, 220.450.

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, 13.225, 220.450

Protanopia

71, 6.580, 294.018

Deuteranopia

71, 12.989, 312.653



Tritanopia
71, 13.710, 232.727

Trichromacy



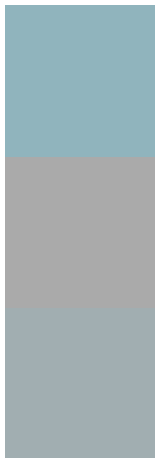
Original Color
71, 13.225, 220.450

Protanomaly
71, 7.516, 252.463

Deuteranomaly
71, 9.425, 280.157

Tritanomaly
71, 13.458, 230.644

Monochromacy



Original Color
71, 13.225, 220.450

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 5.000, 218.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 13.225, 220.450 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, 180, 189)` looks like.

```
.text, #text, p{  
    color:rgb(144, 180, 189)  
}
```

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, 180, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 180, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 13.225, 220.450 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, 180, 189) }
```

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

```
.border{ border-color:rgb(144, 180, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 180, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 180, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 180, 189);  
box-shadow:4px 4px 4px 4px rgb(144, 180,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 13.225, 220.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 180, 189) }
```

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

```
.background{ background-color: rgb(144,  
180, 189) }
```

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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