

# Converting Colors

CIELCh(71, 15.502, 242.780)

Have a look what the booklet for  
CIELCh(71, 15.502, 242.780)  
contains.

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# **Color**

**CIELCh(71, 15.430, 241.204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90B3C6
RGB	144, 179, 198
RGB Percent	56%, 70%, 78%
CMY	0.4357, 0.2985, 0.2240
CMYK	0.27, 0.10, 0.00, 0.22
HSL	201°, 32%, 67%
HSV	201°, 27%, 78%
XYZ	37.7607, 42.1875, 59.5111
YIQ	170.7010, -26.9590, -1.5110

# Conversions

## Conversions Part 2

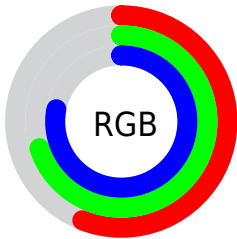
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 165, 198
Decimal	9483206
CIELab	71.00, -7.43, -13.52
CIElCh	71, 15.430, 241.204
Yxy	42.1875, 0.2708, 0.3025
Android (android.graphics.Color)	4287673286 (0xFF90B3C6)
YUV	170.7010, 13.4584, -23.4168
Hunter-Lab	64.9519, -9.8924, -8.8572

# Details

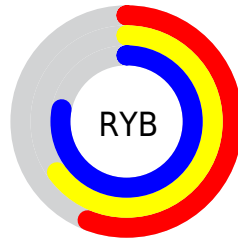
The CIELCh color  $71, 15.430, 241.204$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $70, 17.791, 55.720$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 15.453, 241.182$ , and  $51, 15.413, 241.746$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 20.563, 242.907$ , and if you desaturate by 10%, it is  $74, 9.985, 239.831$ .

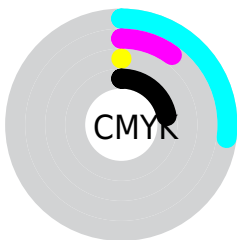
# Distribution



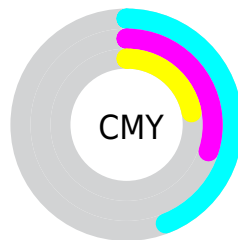
- Red (56%)
- Green (70%)
- Blue (78%)



- Red (56%)
- Yellow (65%)
- Blue (78%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (44%)
- Magenta (30%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 15.430, 241.204 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, 15.430, 241.204 by changing the saturation by 10% instead.



■ 71, 15.430,  
241.204

■ 71, 15.430,  
241.204

■ 100, 15.430,  
241.204

■ 61, 15.430,  
241.204

■ 91, 15.430,  
241.204

■ 51, 15.430,  
241.204

■ 41, 15.430,  
241.204

■ 31, 15.430,  
241.204

■ 21, 15.430,  
241.204

■ 11, 15.430,  
241.204

■ 1, 15.430, 241.204

0, 15.430, 241.204

71, 15.430,  
241.204

71, 15.430,  
241.204

68, 20.563,  
242.907

74, 9.985, 239.831

77, 4.286, 238.775

65, 25.330,  
245.026

81, 1.613, 57.464

62, 29.692,  
247.638

84, 7.664, 56.956

59, 33.633,  
250.825

88, 13.825, 56.377

90, 17.717, 61.449

57, 37.187,  
254.645

92, 18.603, 74.764

54, 40.441,  
259.103

94, 20.386, 86.239

■ 52, 43.556,  
264.074

■ 95, 22.845, 95.485

■ 51, 44.429,  
265.402

# Harmonies

# Complementary

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



71, 15.430, 241.204



70, 17.791, 55.720

# Rectangle

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



71, 15.430, 241.204



71, 15.430, 291.204



71, 15.430, 61.204



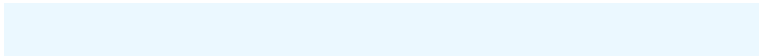
71, 15.430, 111.204

# Sweetspot

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



71, 15.429, 241.199



97, 5.773, 238.848



75, 27.528, 154.151



51, 4.092, 238.992



0, 0.000, 0.000



53, 0.007, 296.813



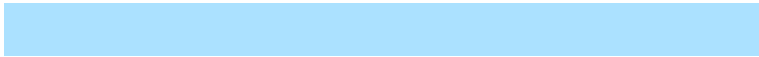


# Same Dimension

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



71, 15.429, 241.199



87, 22.582, 242.216



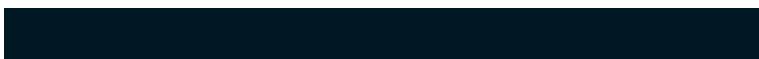
64, 25.696, 286.866



40, 3.337, 238.966



43, 38.156, 264.609



7, 11.867, 253.140



# Inverse Universe

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



66, 27.890, 338.530



79, 41.407, 339.073



77, 24.652, 100.228



39, 5.766, 337.093



36, 64.215, 348.619

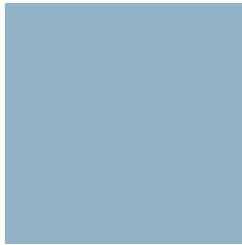


4, 19.714, 343.784



# Previews

## White Background



This preview shows how the CIELCh color 71, 15.430, 241.204 looks on a white background.

## Color Contrast Check

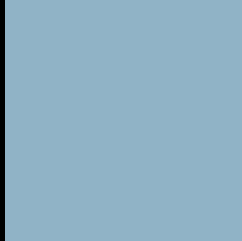
Large Text (above 18pt) WCAG AA × Fail

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, 15.430, 241.204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

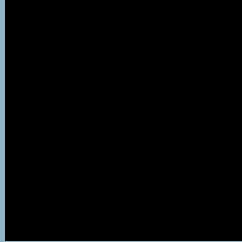
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

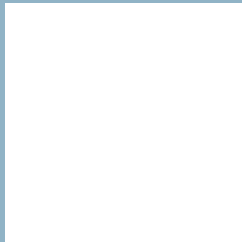
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 15.430, 241.204

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 15.430, 241.204.



This preview shows how white text looks on a background with the CIELCh color 71, 15.430, 241.204.

# 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, 15.430, 241.204

### Protanopia

71, 12.036, 287.981

### Deuteranopia

71, 17.318, 302.407





**Tritanopia**  
71, 14.500, 230.558

# Trichromacy



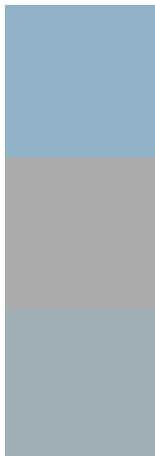
**Original Color**  
71, 15.430, 241.204

**Protanomaly**  
71, 11.847, 266.828

**Deuteranomaly**  
71, 14.356, 281.782

**Tritanomaly**  
71, 14.748, 232.504

# Monochromacy



**Original Color**  
71, 15.430, 241.204

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 6.004, 238.894

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 15.430, 241.204 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, 179, 198)` looks like.

```
.text, #text, p{  
    color:rgb(144, 179, 198)  
}
```

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, 179, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 179, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 15.430, 241.204 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, 179, 198) }
```

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

```
.border{ border-color:rgb(144, 179, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 179, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 179, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 179, 198);  
box-shadow:4px 4px 4px 4px rgb(144, 179,  
198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 15.430, 241.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 179, 198) }
```

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

```
.background{ background-color: rgb(144,  
179, 198) }
```

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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