

# Converting Colors

CIELCh(71, 29.072, 179.187)

Have a look what the booklet for  
CIELCh(71, 29.072, 179.187)  
contains.

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**Color**

**CIELCh(71, 28.922, 179.445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ABCAC
RGB	106, 188, 172
RGB Percent	42%, 74%, 67%
CMY	0.5830, 0.2614, 0.3242
CMYK	0.44, 0.00, 0.09, 0.26
HSL	168°, 38%, 58%
HSV	168°, 44%, 74%
XYZ	31.5178, 42.1875, 45.6781
YIQ	161.6580, -43.7360, -22.3600

# Conversions

## Conversions Part 2

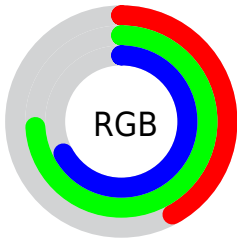
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 151, 188
Decimal	6995116
CIELab	71.00, -28.92, 0.28
CIElCh	71, 28.922, 179.445
Yxy	42.1875, 0.2640, 0.3534
Android (android.graphics.Color)	4285185196 (0xFF6ABCAC)
YUV	161.6580, 5.0986, -48.8121
Hunter-Lab	64.9519, -27.0491, 3.7700

# Details

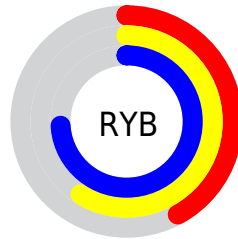
The CIELCh color **71, 28.922, 179.445** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 34.925, 9.161**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 29.309, 178.856**, and **51, 28.740, 179.912** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.271, 178.296**, and if you desaturate by 10%, it is **72, 22.959, 180.507**.

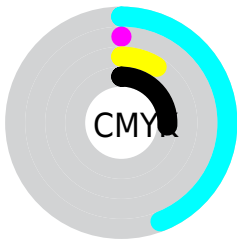
# Distribution



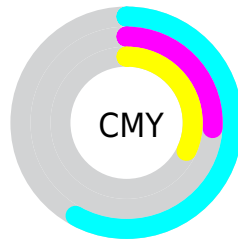
- Red (42%)
- Green (74%)
- Blue (67%)



- Red (42%)
- Yellow (59%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)



- Cyan (58%)
- Magenta (26%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 28.922, 179.445 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, 28.922, 179.445 by changing the saturation by 10% instead.



 71, 28.922,  
179.445

 71, 28.922,  
179.445


 100, 28.922,  
179.445

 61, 28.922,  
179.445


 91, 28.922,  
179.445

 51, 28.922,  
179.445

 41, 28.922,  
179.445

 31, 28.922,  
179.445

 21, 28.922,  
179.445

 11, 28.922,  
179.445

 1, 28.922, 179.445

71, 28.922,  
179.445

71, 28.922,  
179.445

70, 34.271,  
178.296

72, 22.959,  
180.507

70, 38.903,  
177.044

73, 16.498,  
181.507

69, 42.745,  
175.665

74, 9.659, 182.464

76, 2.555, 183.497

69, 45.775,  
174.136

77, 4.715, 4.057

68, 48.032,  
172.443

79, 12.069, 4.943

68, 49.225,  
171.303

81, 19.440, 5.753

■ 83, 26.030, 6.003

■ 83, 26.442, 1.917

# Harmonies

# Complementary

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



71, 28.922, 179.445



55, 34.925, 9.161

# Rectangle

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



71, 28.922, 179.445



71, 28.922, 229.445



71, 28.922, 359.445



71, 28.922, 49.445

# Sweetspot

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



71, 28.923, 179.443



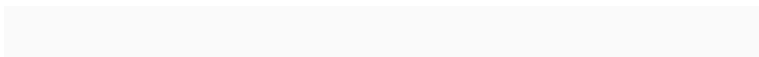
94, 11.481, 182.495



70, 50.645, 136.359



50, 8.003, 182.285



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, 28.923, 179.443



89, 41.302, 178.379



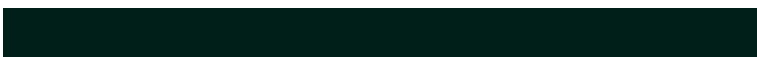
64, 22.192, 236.666



39, 4.073, 182.865



58, 43.106, 171.565



9, 13.096, 176.750



# Inverse Universe

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



55, 34.925, 9.161



65, 52.076, 11.134



60, 29.257, 49.250



37, 4.227, 4.410



33, 64.815, 29.097

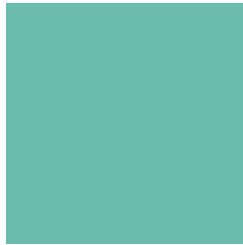


3, 12.518, 8.309



# Previews

## White Background



This preview shows how the CIELCh color 71, 28.922, 179.445 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, 28.922, 179.445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

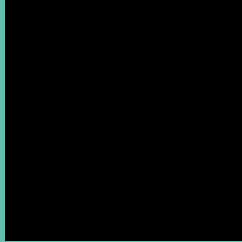
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

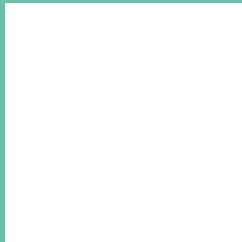
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 28.922, 179.445

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 28.922, 179.445.

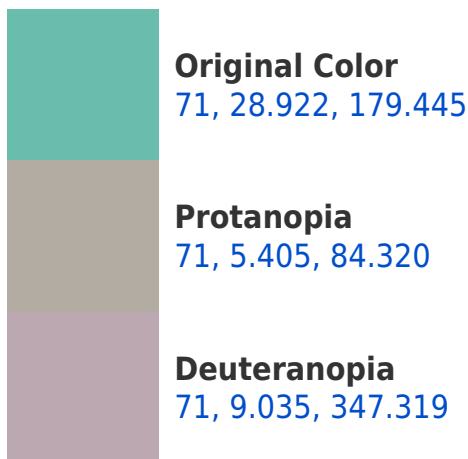


This preview shows how white text looks on a background with the CIELCh color 71, 28.922, 179.445.

# 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

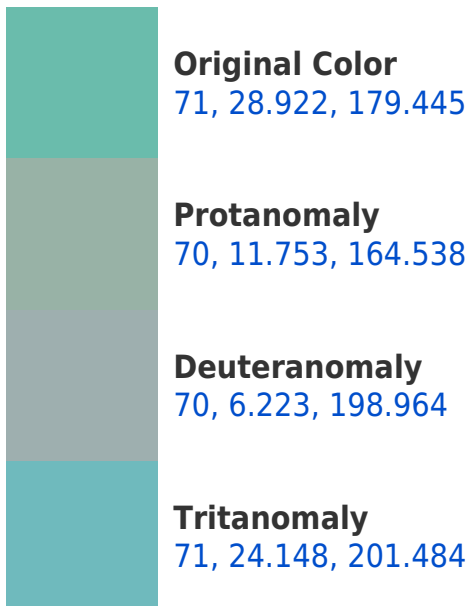






**Tritanopia**  
71, 23.201, 218.702

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 28.922, 179.445 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(106, 188, 172)` looks like.

```
.text, #text, p{  
    color:rgb(106, 188, 172)  
}
```

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(106, 188, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 188, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 28.922, 179.445 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(106, 188, 172) }
```

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

```
.border{ border-color:rgb(106, 188, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 188, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 188, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 188, 172);  
box-shadow:4px 4px 4px 4px rgb(106, 188,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 28.922, 179.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 188, 172) }
```

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

```
.background{ background-color: rgb(106,  
188, 172) }
```

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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