

# Converting Colors

CIELCh(71, 24.881, 197.484)

Have a look what the booklet for  
CIELCh(71, 24.881, 197.484)  
contains.

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# Color

**CIELCh(71, 24.881, 197.484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EBBBB
RGB	110, 187, 187
RGB Percent	43%, 73%, 73%
CMY	0.5705, 0.2685, 0.2685
CMYK	0.41, 0.00, 0.00, 0.27
HSL	180°, 36%, 58%
HSV	180°, 41%, 73%
XYZ	32.9569, 42.1875, 53.1504
YIQ	163.9770, -45.8920, -16.3240

# Conversions

## Conversions Part 2

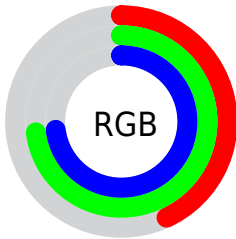
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 149, 187
Decimal	7257019
CIELab	71.00, -23.73, -7.48
CIELCh	71, 24.881, 197.484
Yxy	42.1875, 0.2569, 0.3288
Android (android.graphics.Color)	4285447099 (0xFF6EBBBB)
YUV	163.9770, 11.3503, -47.3378
Hunter-Lab	64.9519, -23.0942, -3.0509

# Details

The CIELCh color **71, 24.881, 197.484** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 33.284, 23.461**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 24.635, 197.842**, and **51, 25.071, 196.947** is the 20% darker color. If you saturate the color by 10%, you get **70, 29.360, 197.142**, and if you desaturate by 10%, it is **72, 19.690, 197.882**.

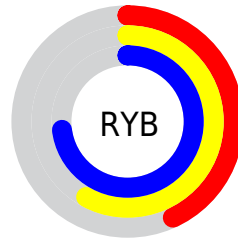
# Distribution



Red (43%)

Green (73%)

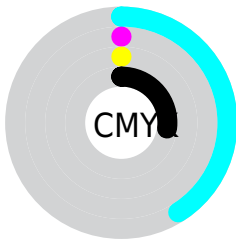
Blue (73%)



Red (43%)

Yellow (58%)

Blue (73%)

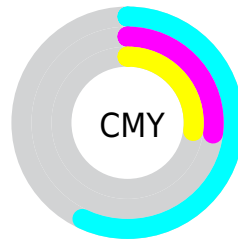


Cyan (41%)

Magenta (0%)

Yellow (0%)

Black (27%)



Cyan (57%)

Magenta (27%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 24.881, 197.484 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, 24.881, 197.484 by changing the saturation by 10% instead.




 71, 24.881,  
197.484

 71, 24.881,  
197.484

 100, 24.881,  
197.484

 61, 24.881,  
197.484

 91, 24.881,  
197.484

 51, 24.881,  
197.484

 41, 24.881,  
197.484

 31, 24.881,  
197.484

 21, 24.881,  
197.484

 11, 24.881,  
197.484

 1, 24.881, 197.484

0, 24.881, 197.484

71, 24.881,  
197.484

71, 24.881,  
197.484

70, 29.360,  
197.142

72, 19.690,  
197.882

70, 33.045,  
196.868

73, 13.886,  
198.342

69, 35.885,  
196.659

74, 7.581, 198.869

69, 37.876,  
196.514

76, 0.881, 199.930

77, 6.114, 19.816

69, 39.063,  
196.427

79, 13.316, 20.453

69, 39.619,  
196.387

80, 20.651, 21.074

■ 82, 26.571, 21.573

■ 82, 26.571, 21.573

# Harmonies

# Complementary

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



71, 24.881, 197.484



55, 33.284, 23.461

# Rectangle

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



71, 24.881, 197.484



71, 24.881, 247.484



71, 24.881, 17.484



71, 24.881, 67.484

# Sweetspot

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



71, 24.881, 197.482



94, 9.947, 198.817



69, 50.745, 141.311



50, 6.628, 198.745



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, 24.881, 197.482



89, 35.491, 197.157



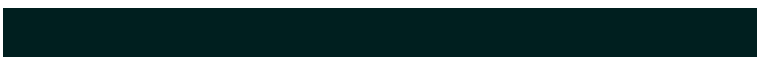
60, 24.416, 262.542



39, 3.863, 198.983



59, 35.060, 196.387



9, 11.663, 196.740



# Inverse Universe

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



57, 50.631, 326.619



69, 74.525, 327.056



64, 27.451, 70.310



37, 7.068, 324.929



37, 80.849, 328.233

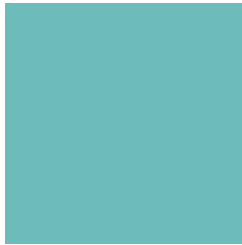


3, 21.490, 325.460



# Previews

## White Background



This preview shows how the CIELCh color 71, 24.881, 197.484 looks on a white background.

## Color Contrast Check

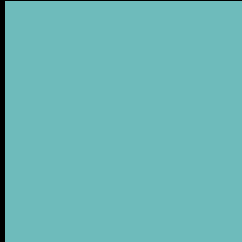
Large Text (above 18pt) WCAG AA × Fail

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, 24.881, 197.484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

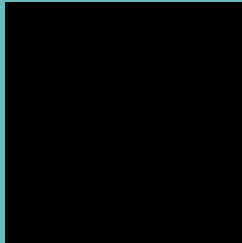
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 24.881, 197.484

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 24.881, 197.484.

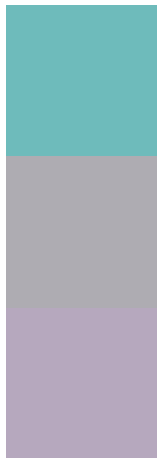


This preview shows how white text looks on a background with the CIELCh color 71, 24.881, 197.484.

# 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, 24.881, 197.484

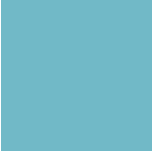
### Protanopia

71, 3.379, 303.211

### Deuteranopia

71, 13.140, 314.153





**Tritanopia**  
71, 23.587, 216.861

# Trichromacy



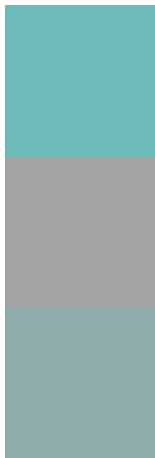
**Original Color**  
71, 24.881, 197.484

**Protanomaly**  
70, 9.476, 212.125

**Deuteranomaly**  
70, 10.028, 249.035

**Tritanomaly**  
71, 23.785, 208.327

# Monochromacy



**Original Color**  
71, 24.881, 197.484

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 10.102, 198.600

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 24.881, 197.484 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(110, 187, 187)` looks like.

```
.text, #text, p{  
    color:rgb(110, 187, 187)  
}
```

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(110, 187, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 187, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 24.881, 197.484 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(110, 187, 187) }
```

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

```
.border{ border-color:rgb(110, 187, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 187, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 187, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 187, 187);  
box-shadow:4px 4px 4px 4px rgb(110, 187,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 24.881, 197.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 187, 187) }
```

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

```
.background{ background-color: rgb(110,  
187, 187) }
```

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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