

# Converting Colors

CIELCh(71, 32.425, 207.384)

Have a look what the booklet for  
CIELCh(71, 32.425, 207.384)  
contains.

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**Color**

**CIELCh(71, 32.279, 207.922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BBDC8
RGB	75, 189, 200
RGB Percent	29%, 74%, 78%
CMY	0.7047, 0.2579, 0.2147
CMYK	0.62, 0.05, 0.00, 0.21
HSL	185°, 53%, 54%
HSV	185°, 62%, 79%
XYZ	31.6270, 42.1875, 61.2677
YIQ	156.1680, -71.4750, -20.7470

# Conversions

## Conversions Part 2

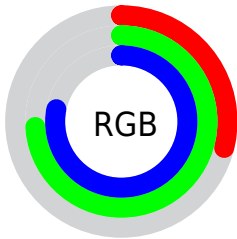
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 135, 200
Decimal	4963784
CIELab	71.00, -28.52, -15.12
CIElCh	71, 32.279, 207.922
Yxy	42.1875, 0.2341, 0.3123
Android (android.graphics.Color)	4283153864 (0xFF4BBDC8)
YUV	156.1680, 21.6092, -71.1843
Hunter-Lab	64.9519, -26.7489, -10.4606

# Details

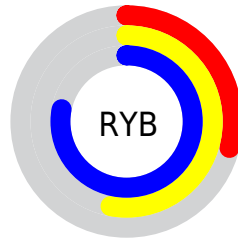
The CIELCh color **71, 32.279, 207.922** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **51, 53.229, 32.998**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 32.325, 205.831**, and **51, 30.142, 209.098** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.816, 208.616**, and if you desaturate by 10%, it is **72, 28.873, 207.450**.

# Distribution



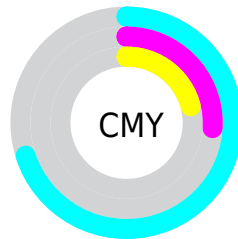
- Red (29%)
- Green (74%)
- Blue (78%)



- Red (29%)
- Yellow (53%)
- Blue (78%)



- Cyan (62%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)




- Cyan (70%)
- Magenta (26%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 32.279, 207.922 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, 32.279, 207.922 by changing the saturation by 10% instead.





 71, 32.279,  
207.922


 71, 32.279,  
207.922


 100, 32.279,  
207.922


 61, 32.279,  
207.922


 91, 32.279,  
207.922

 51, 32.279,  
207.922

 41, 32.279,  
207.922

 31, 32.279,  
207.922

 21, 32.279,  
207.922

 11, 32.279,  
207.922

 1, 32.279, 207.922

0, 32.279, 207.922

71, 32.279,  
207.922

71, 32.279,  
207.922

70, 34.816,  
208.616

72, 28.873,  
207.450

69, 36.477,  
209.569

73, 24.655,  
207.171

68, 37.312,  
210.809

75, 19.714,  
207.055

68, 37.554,  
211.910

77, 14.153,  
207.075

78, 8.081, 207.221

80, 1.604, 207.700

82, 5.185, 27.512

■ 84, 12.201, 27.890

■ 87, 19.179, 28.325

# Harmonies

# Complementary

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



71, 32.279, 207.922



51, 53.229, 32.998

# Rectangle

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



71, 32.279, 207.922



71, 32.279, 257.922



71, 32.279, 27.922



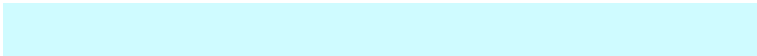
71, 32.279, 77.922

# Sweetspot

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



71, 32.278, 207.921



96, 14.760, 207.107



72, 73.934, 141.027



50, 10.062, 207.077



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, 32.278, 207.921



87, 42.621, 208.934



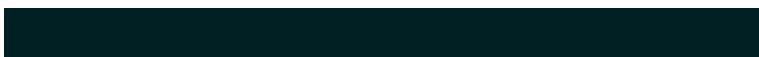
53, 43.400, 277.055



41, 3.706, 207.295



56, 32.300, 211.656



10, 11.905, 207.974



# Inverse Universe

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



53, 72.451, 330.411



63, 99.020, 331.068



65, 46.936, 75.379



39, 6.951, 327.423



38, 77.286, 332.040



4, 24.788, 330.106



# Previews

## White Background



This preview shows how the CIELCh color 71, 32.279, 207.922 looks on a white background.

## Color Contrast Check

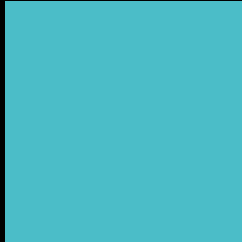
Large Text (above 18pt) WCAG AA × Fail

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, 32.279, 207.922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

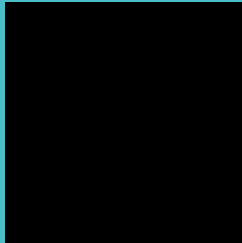
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 71, 32.279, 207.922**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 71, 32.279, 207.922.

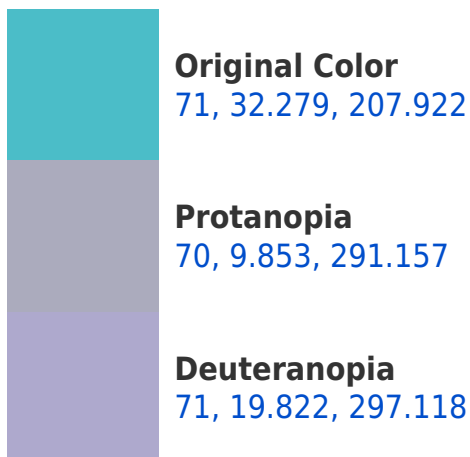


This preview shows how white text looks on a background with the CIELCh color 71, 32.279, 207.922.

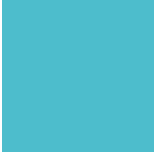
# Color Blindness Simulation

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, 31.935, 212.195

# Trichromacy



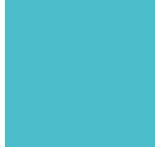
**Original Color**  
71, 32.279, 207.922



**Protanomaly**  
70, 16.075, 229.365



**Deuteranomaly**  
70, 18.956, 250.391

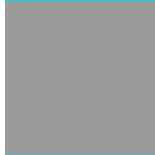


**Tritanomaly**  
71, 32.089, 211.076

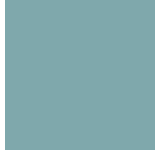
# Monochromacy



**Original Color**  
71, 32.279, 207.922



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
66, 14.417, 207.149

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 32.279, 207.922 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(75, 189, 200)` looks like.

```
.text, #text, p{  
    color:rgb(75, 189, 200)  
}
```

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(75, 189, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 189, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 32.279, 207.922 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(75, 189, 200) }
```

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

```
.border{ border-color:rgb(75, 189, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 189, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(75, 189,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 32.279, 207.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 189, 200) }
```

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

```
.background{ background-color: rgb(75, 189,  
200) }
```

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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