

# Converting Colors

CIELCh(70, 30.921, 197.507)

Have a look what the booklet for  
CIELCh(70, 30.921, 197.507)  
contains.

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**Color**

**CIELCh(70, 30.792, 198.068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53BABB
RGB	83, 186, 187
RGB Percent	33%, 73%, 73%
CMY	0.6728, 0.2690, 0.2651
CMYK	0.55, 0.01, 0.00, 0.27
HSL	181°, 43%, 53%
HSV	181°, 55%, 73%
XYZ	30.2608, 40.7494, 53.5063
YIQ	155.3170, -61.7090, -21.5250

# Conversions

## Conversions Part 2

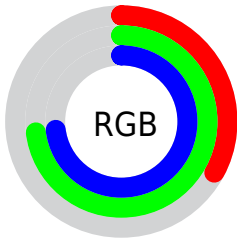
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 135, 187
Decimal	5487291
CIE <sub>Lab</sub>	70.00, -29.27, -9.55
CIE <sub>LCh</sub>	70, 30.792, 198.068
Yxy	40.7494, 0.2430, 0.3273
Android (android.graphics.Color)	4283677371 (0xFF53BABB)
YUV	155.3170, 15.6197, -63.4220
Hunter-Lab	63.8353, -27.0947, -5.0118

# Details

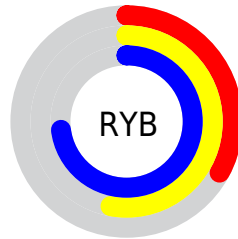
The CIELCh color **70, 30.792, 198.068** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 46.440, 26.802**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 30.587, 198.449**, and **50, 30.440, 198.669** is the 20% darker color. If you saturate the color by 10%, you get **69, 34.090, 197.892**, and if you desaturate by 10%, it is **71, 26.674, 198.318**.

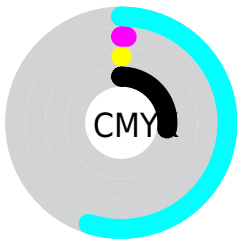
# Distribution



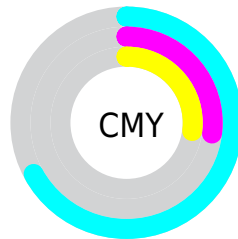
- Red (33%)
- Green (73%)
- Blue (73%)



- Red (33%)
- Yellow (53%)
- Blue (73%)



- Cyan (55%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)




- Cyan (67%)
- Magenta (27%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 30.792, 198.068 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 70, 30.792, 198.068 by changing the saturation by 10% instead.





 70, 30.792,  
198.068


 70, 30.792,  
198.068


 100, 30.792,  
198.068


 60, 30.792,  
198.068


 90, 30.792,  
198.068

 50, 30.792,  
198.068

 40, 30.792,  
198.068

 30, 30.792,  
198.068

 20, 30.792,  
198.068

 10, 30.792,  
198.068

 0, 30.792, 198.068

70, 30.792,  
198.068

70, 30.792,  
198.068

69, 34.090,  
197.892

71, 26.674,  
198.318

69, 36.533,  
197.797

72, 21.806,  
198.643

69, 38.135,  
197.781

73, 16.284,  
199.035

68, 38.970,  
197.840

74, 10.215,  
199.494

68, 39.217,  
197.880

75, 3.708, 200.070

77, 3.134, 20.285

78, 10.219, 20.955

80, 17.469, 21.552

82, 24.818, 22.151



# Harmonies

# Complementary

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



70, 30.792, 198.068



49, 46.440, 26.802

# Rectangle

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



70, 30.792, 198.068



70, 30.792, 248.068



70, 30.792, 18.068



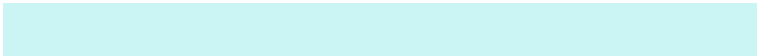
70, 30.792, 68.068

# Sweetspot

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



70, 30.792, 198.066



94, 13.870, 199.405



68, 66.827, 139.791



49, 9.216, 199.310



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



70, 30.792, 198.066



88, 42.552, 197.859



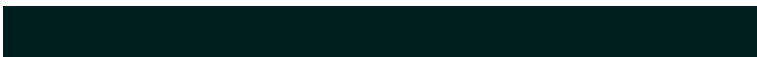
55, 32.534, 266.399



39, 3.826, 199.818



58, 34.589, 197.860



9, 11.512, 197.914



# Inverse Universe

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



52, 65.887, 327.535



63, 94.325, 328.002



61, 38.193, 68.504



37, 7.023, 325.185



37, 80.253, 328.611

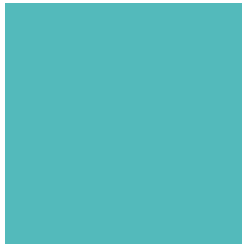


3, 21.291, 325.783



# Previews

## White Background



This preview shows how the CIELCh color 70, 30.792, 198.068 looks on a white background.

## Color Contrast Check

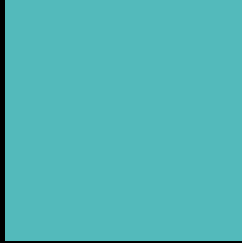
Large Text (above 18pt) WCAG AA × Fail

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 70, 30.792, 198.068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

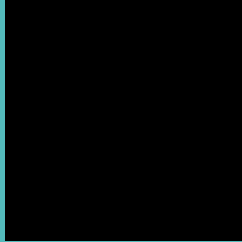
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

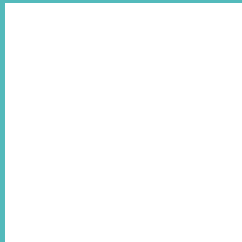
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 70, 30.792, 198.068**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 30.792, 198.068.

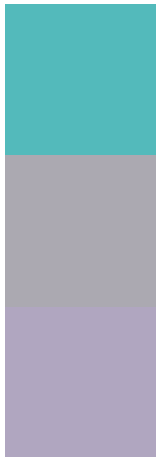


This preview shows how white text looks on a background with the CIELCh color 70, 30.792, 198.068.

# 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

70, 30.792, 198.068

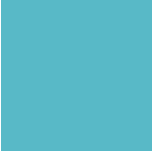
### Protanopia

70, 4.465, 300.183

### Deuteranopia

70, 14.779, 305.648





**Tritanopia**  
70, 29.086, 212.782

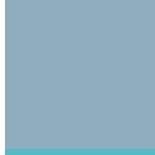
# Trichromacy



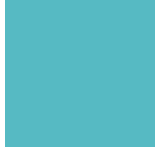
**Original Color**  
70, 30.792, 198.068



**Protanomaly**  
69, 12.898, 213.333



**Deuteranomaly**  
69, 13.898, 241.202



**Tritanomaly**  
70, 29.677, 206.871

# Monochromacy



**Original Color**  
70, 30.792, 198.068



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
66, 13.181, 198.308

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 30.792, 198.068 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(83, 186, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 186, 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(83, 186, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 186, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 30.792, 198.068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

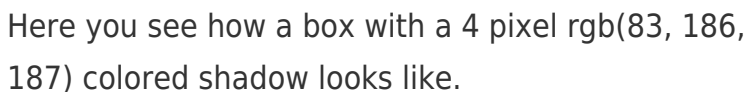
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 186, 187) }
```

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

```
.border{ border-color:rgb(83, 186, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(83, 186, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 186, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 186, 187); box-shadow:4px 4px 4px 4px rgb(83, 186, 187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 30.792, 198.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 186, 187) }
```

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

```
.background{ background-color: rgb(83, 186,  
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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