

# Converting Colors

CIELCh(70, 31.828, 214.381)

Have a look what the booklet for  
CIELCh(70, 31.828, 214.381)  
contains.

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**Color**

**CIELCh(70, 31.890, 214.352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ABACB
RGB	74, 186, 203
RGB Percent	29%, 73%, 80%
CMY	0.7110, 0.2716, 0.2050
CMYK	0.64, 0.08, 0.00, 0.20
HSL	188°, 55%, 54%
HSV	188°, 64%, 80%
XYZ	31.0508, 40.7494, 62.5629
YIQ	154.4500, -72.2090, -18.4570

# Conversions

## Conversions Part 2

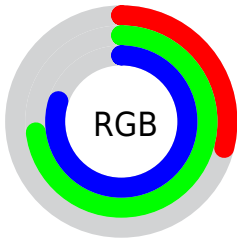
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 134, 203
Decimal	4897483
CIE <sub>Lab</sub>	70.00, -26.33, -17.99
CIE <sub>LCh</sub>	70, 31.890, 214.352
Yxy	40.7494, 0.2311, 0.3033
Android (android.graphics.Color)	4283087563 (0xFF4ABACB)
YUV	154.4500, 23.9352, -70.5546
Hunter-Lab	63.8353, -24.8856, -13.4235

# Details

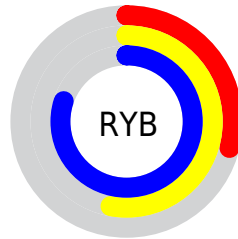
The CIELCh color **70, 31.890, 214.352** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **52, 53.550, 35.995**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 31.627, 209.980**, and **50, 29.646, 216.673** is the 20% darker color. If you saturate the color by 10%, you get **69, 34.287, 215.634**, and if you desaturate by 10%, it is **71, 28.647, 213.399**.

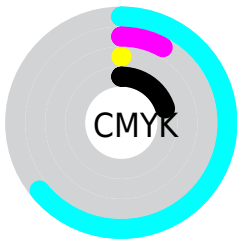
# Distribution



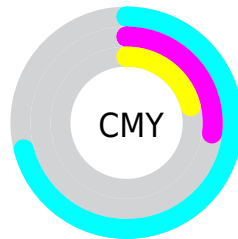
- Red (29%)
- Green (73%)
- Blue (80%)



- Red (29%)
- Yellow (53%)
- Blue (80%)



- Cyan (64%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)




- Cyan (71%)
- Magenta (27%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 31.890, 214.352 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, 31.890, 214.352 by changing the saturation by 10% instead.





 70, 31.890,  
214.352


 70, 31.890,  
214.352


 100, 31.890,  
214.352


 60, 31.890,  
214.352


 90, 31.890,  
214.352

 50, 31.890,  
214.352

 40, 31.890,  
214.352

 30, 31.890,  
214.352

 20, 31.890,  
214.352

 10, 31.890,  
214.352

 0, 31.890, 214.352

70, 31.890,  
214.352

70, 31.890,  
214.352

69, 34.287,  
215.634

71, 28.647,  
213.399

68, 35.841,  
217.304

73, 24.611,  
212.725

67, 36.617,  
219.410

75, 19.863,  
212.280

66, 36.850,  
220.921

77, 14.505,  
212.023

79, 8.642, 211.928

81, 2.374, 212.094

83, 4.207, 31.809

85, 11.023, 32.044

88, 17.568, 32.534



# Harmonies

# Complementary

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



70, 31.890, 214.352



52, 53.550, 35.995

# Rectangle

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



70, 31.890, 214.352



70, 31.890, 264.352



70, 31.890, 34.352



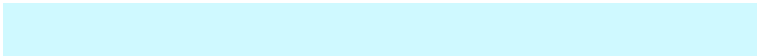
70, 31.890, 84.352

# Sweetspot

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



70, 31.889, 214.351



95, 14.242, 211.962



73, 74.284, 141.751



50, 9.709, 211.999



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



70, 31.889, 214.351



84, 41.487, 216.150



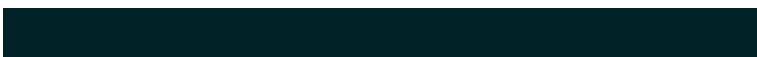
52, 47.047, 280.334



42, 3.651, 211.942



55, 31.752, 220.522



11, 12.003, 214.935



# Inverse Universe

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



53, 72.117, 332.093



62, 96.758, 332.889



67, 49.038, 78.184



40, 6.885, 328.781



38, 75.570, 334.223



5, 26.092, 332.300



# Previews

## White Background



This preview shows how the CIELCh color 70, 31.890, 214.352 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, 31.890, 214.352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

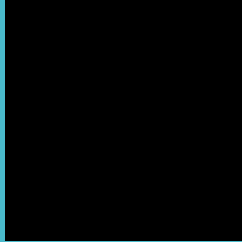
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 31.890, 214.352

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 31.890, 214.352.



This preview shows how white text looks on a background with the CIELCh color 70, 31.890, 214.352.

# 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, 31.890, 214.352

### Protanopia

70, 12.094, 286.326

### Deuteranopia

70, 22.548, 294.134





**Tritanopia**  
70, 31.998, 212.185

# Trichromacy



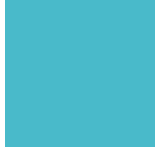
**Original Color**  
70, 31.890, 214.352



**Protanomaly**  
69, 17.639, 237.269



**Deuteranomaly**  
69, 21.185, 255.333



**Tritanomaly**  
70, 32.019, 213.220

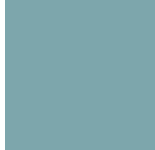
# Monochromacy



**Original Color**  
70, 31.890, 214.352



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
65, 14.526, 211.609

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 31.890, 214.352 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(74, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(74, 186, 203)  
}
```

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(74, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 186, 203) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 31.890, 214.352 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(74, 186, 203) }
```

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

```
.border{ border-color:rgb(74, 186, 203) }
```

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

Here you see how a box with a 4 pixel rgb(74, 186, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(74, 186,  
203) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 31.890, 214.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 186, 203) }
```

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

```
.background{ background-color: rgb(74, 186,  
203) }
```

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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