

# Converting Colors

CIELCh(74, 31.803, 203.039)

Have a look what the booklet for  
CIELCh(74, 31.803, 203.039)  
contains.

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**Color**

**CIELCh(74, 31.825, 203.036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59C6CC
RGB	89, 198, 204
RGB Percent	35%, 78%, 80%
CMY	0.6523, 0.2247, 0.2012
CMYK	0.56, 0.03, 0.00, 0.20
HSL	183°, 53%, 57%
HSV	183°, 56%, 80%
XYZ	35.0767, 46.7039, 64.1052
YIQ	166.0930, -66.8900, -21.2420

# Conversions

## Conversions Part 2

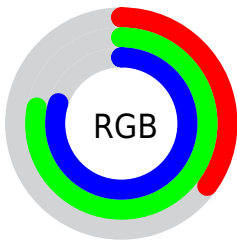
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 145, 204
Decimal	5883596
CIE Lab	74.00, -29.29, -12.45
CIE LCh	74, 31.825, 203.036
Yxy	46.7039, 0.2404, 0.3201
Android (android.graphics.Color)	4284073676 (0xFF59C6CC)
YUV	166.0930, 18.6882, -67.6106
Hunter-Lab	68.3403, -27.9777, -7.7775

# Details

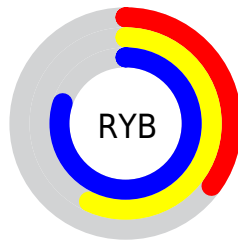
The CIELCh color **74, 31.825, 203.036** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 49.229, 29.635**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **94, 32.132, 197.441**, and **54, 31.886, 202.837** is the 20% darker color. If you saturate the color by 10%, you get **73, 35.037, 203.238**, and if you desaturate by 10%, it is **75, 27.739, 202.972**.

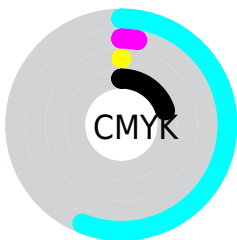
# Distribution



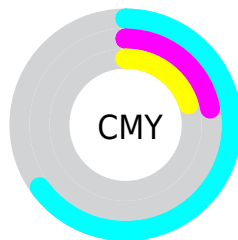
- Red (35%)
- Green (78%)
- Blue (80%)



- Red (35%)
- Yellow (57%)
- Blue (80%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (65%)
- Magenta (22%)
- Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 31.825, 203.036 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 74, 31.825, 203.036 by changing the saturation by 10% instead.





 74, 31.825,  
203.036

 74, 31.825,  
203.036


 100, 31.825,  
203.036


 64, 31.825,  
203.036


 94, 31.825,  
203.036

 54, 31.825,  
203.036

 44, 31.825,  
203.036

 34, 31.825,  
203.036

 24, 31.825,  
203.036

 14, 31.825,  
203.036

 4, 31.825, 203.036

0, 31.825, 203.036

74, 31.825,  
203.036

74, 31.825,  
203.036

73, 35.037,  
203.238

75, 27.739,  
202.972

72, 37.339,  
203.602

76, 22.856,  
203.035

72, 38.748,  
204.139

78, 17.279,  
203.206

71, 39.353,  
204.855

79, 11.118,  
203.475

71, 39.473,  
205.130

81, 4.489, 203.871

83, 2.503, 23.899

85, 9.764, 24.488

■ 87, 17.212, 24.967

■ 87, 18.171, 26.527

# Harmonies

# Complementary

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



74, 31.825, 203.036



54, 49.229, 29.635

# Rectangle

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



74, 31.825, 203.036



74, 31.825, 253.036



74, 31.825, 23.036



74, 31.825, 73.036

# Sweetspot

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



74, 31.825, 203.034



97, 13.738, 203.451



74, 70.344, 140.889



51, 9.131, 203.390



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



74, 31.825, 203.034



89, 42.258, 203.311



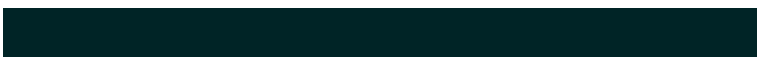
57, 37.933, 272.055



42, 3.911, 203.732



59, 33.896, 204.993



12, 12.782, 203.107



# Inverse Universe

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



56, 69.506, 328.916



65, 95.632, 329.455



66, 42.308, 73.142



40, 7.275, 326.372



39, 80.384, 330.402

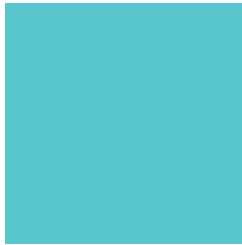


5, 27.851, 329.239



# Previews

## White Background



This preview shows how the CIELCh color 74, 31.825, 203.036 looks on a white background.

## Color Contrast Check

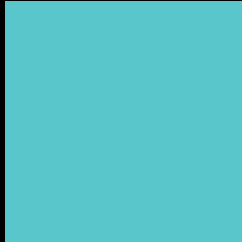
Large Text (above 18pt) WCAG AA × Fail

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 74, 31.825, 203.036 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

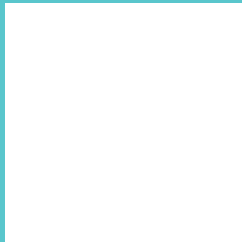
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 31.825, 203.036

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 31.825, 203.036.

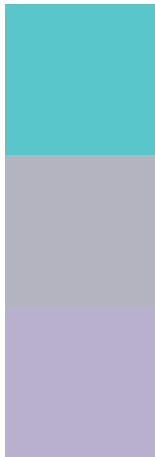


This preview shows how white text looks on a background with the CIELCh color 74, 31.825, 203.036.

# 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

74, 31.825, 203.036

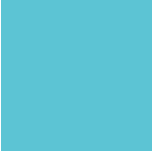
### Protanopia

74, 6.510, 290.809

### Deuteranopia

73, 17.724, 302.076





**Tritanopia**  
74, 30.723, 213.898

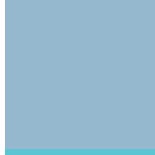
# Trichromacy



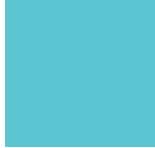
**Original Color**  
74, 31.825, 203.036



**Protanomaly**  
73, 14.217, 221.052



**Deuteranomaly**  
73, 16.191, 246.621



**Tritanomaly**  
74, 31.044, 209.458

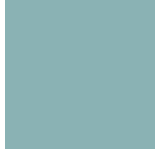
# Monochromacy



**Original Color**  
74, 31.825, 203.036



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
70, 13.999, 202.826

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 31.825, 203.036 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(89, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(89, 198, 204)  
}
```

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(89, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 198, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 31.825, 203.036 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(89, 198, 204) }
```

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

```
.border{ border-color:rgb(89, 198, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 198, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(89, 198,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 31.825, 203.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 198, 204) }
```

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

```
.background{ background-color: rgb(89, 198,  
204) }
```

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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