

Converting Colors

CIELCh(74, 37.700, 196.810)

Have a look what the booklet for
CIELCh(74, 37.700, 196.810)
contains.

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Color

CIELCh(74, 37.743, 196.672)

Conversions

Conversions Part 1

Format	Color
Hex	3BC9C9
RGB	59, 201, 201
RGB Percent	23%, 79%, 79%
CMY	0.7672, 0.2135, 0.2135
CMYK	0.70, 0.00, 0.00, 0.21
HSL	180°, 56%, 51%
HSV	180°, 70%, 79%
XYZ	33.0995, 46.7039, 62.2586
YIQ	158.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

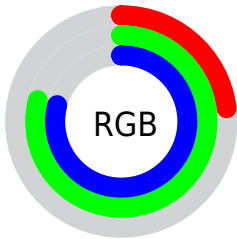
Format	Color
RYB	59, 130, 201
Decimal	3918281
CIELab	74.00, -36.16, -10.83
CIELCh	74, 37.743, 196.672
Yxy	46.7039, 0.2330, 0.3288
Android (android.graphics.Color)	4282108361 (0xFF3BC9C9)
YUV	158.5420, 20.9318, -87.2983
Hunter-Lab	68.3403, -33.1418, -6.1755

Details

The CIELCh color **74, 37.743, 196.672** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **47, 64.413, 30.530**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **55, 32.922, 197.422** is the 20% darker color. If you saturate the color by 10%, you get **74, 39.900, 196.522**, and if you desaturate by 10%, it is **74, 34.678, 196.884**.

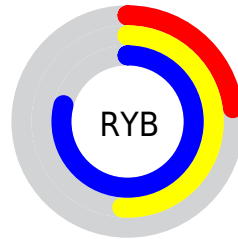
Distribution



Red (23%)

Green (79%)

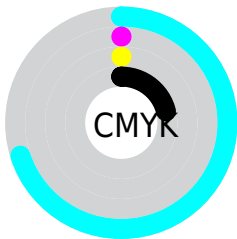
Blue (79%)



Red (23%)

Yellow (51%)

Blue (79%)

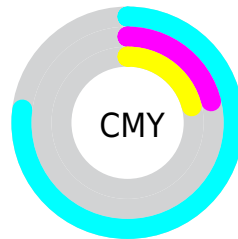


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (77%)


Magenta (21%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 37.743, 196.672 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, 37.743, 196.672 by changing the saturation by 10% instead.

 74, 37.743,
196.672

 74, 37.743,
196.672


 100, 37.743,
196.672


 64, 37.743,
196.672


 94, 37.743,
196.672

 54, 37.743,
196.672

 44, 37.743,
196.672

 34, 37.743,
196.672

 24, 37.743,
196.672

 14, 37.743,
196.672

 4, 37.743, 196.672

■ 0, 37.743, 196.672

■ 74, 37.743,
196.672

■ 74, 37.743,
196.672

■ 74, 39.900,
196.522

■ 74, 34.678,
196.884

■ 73, 41.197,
196.433

■ 75, 30.716,
197.164

■ 73, 41.822,
196.391

■ 76, 25.912,
197.509

■ 77, 20.355,
197.916

■ 78, 14.155,
198.383

■ 79, 7.428, 198.920

■ 81, 0.290, 201.293

■ 82, 7.154, 19.880

■ 84, 14.810, 20.515

Harmonies

Complementary

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



74, 37.743, 196.672



47, 64.413, 30.530

Rectangle

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



74, 37.743, 196.672



74, 37.743, 246.672



74, 37.743, 16.672



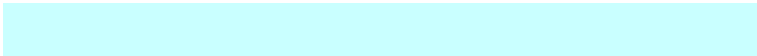
74, 37.743, 66.672

Sweetspot

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



74, 37.743, 196.671



97, 17.657, 198.338



71, 85.307, 138.084



51, 11.838, 198.203



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, 37.743, 196.671



91, 48.677, 196.472



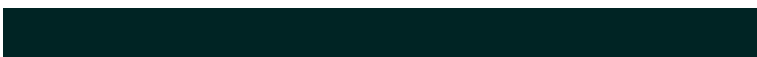
53, 43.079, 271.612



41, 4.034, 198.981



61, 35.887, 196.390



12, 12.983, 196.390

Inverse Universe

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



52, 83.787, 327.777



62, 110.948, 328.096



60, 52.465, 66.442



39, 7.382, 324.933



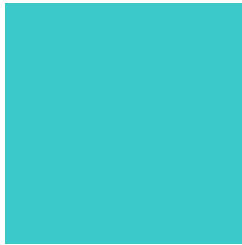
39, 82.758, 328.234



4, 26.741, 327.027

Previews

White Background



This preview shows how the CIELCh color 74, 37.743, 196.672 looks on a white background.

Color Contrast Check

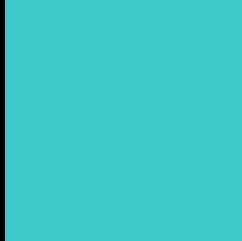
Large Text (above 18pt) WCAG AA × Fail

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, 37.743, 196.672 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

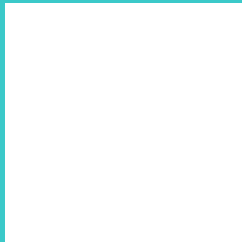
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 37.743, 196.672

Background



This preview shows how black text looks on a background with the CIELCh color 74, 37.743, 196.672.

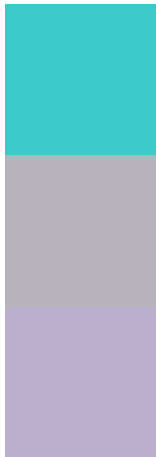


This preview shows how white text looks on a background with the CIELCh color 74, 37.743, 196.672.

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, 37.873, 196.663

Protanopia

73, 5.026, 303.295

Deuteranopia

74, 16.733, 303.888



Tritanopia
74, 35.057, 212.453

Trichromacy



Original Color
74, 37.873, 196.663



Protanomaly
73, 17.093, 209.229



Deuteranomaly
73, 17.752, 234.281



Tritanomaly
74, 35.740, 206.615

Monochromacy



Original Color
74, 37.873, 196.663



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 17.586, 197.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 37.743, 196.672 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(59, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(59, 201, 201)  
}
```

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(59, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 201, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 37.743, 196.672 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(59, 201, 201) }
```

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

```
.border{ border-color:rgb(59, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(59, 201,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 37.743, 196.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 201, 201) }
```

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

```
.background{ background-color: rgb(59, 201,  
201) }
```

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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