

Converting Colors

CIELCh(74, 36.916, 196.702)

Have a look what the booklet for
CIELCh(74, 36.916, 196.702)
contains.

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Color

CIELCh(74, 36.869, 196.723)

Conversions

Conversions Part 1

Format	Color
Hex	41C8C8
RGB	65, 200, 200
RGB Percent	25%, 78%, 78%
CMY	0.7441, 0.2150, 0.2150
CMYK	0.67, 0.00, 0.00, 0.21
HSL	180°, 55%, 52%
HSV	180°, 67%, 79%
XYZ	33.3391, 46.7039, 62.0121
YIQ	159.6350, -80.4600, -28.6200

Conversions

Conversions Part 2

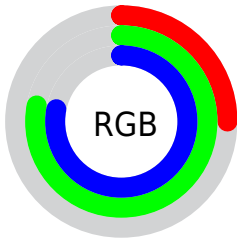
Format	Color
RYB	65, 133, 200
Decimal	4311240
CIELab	74.00, -35.31, -10.61
CIELCh	74, 36.869, 196.723
Yxy	46.7039, 0.2347, 0.3288
Android (android.graphics.Color)	4282501320 (0xFF41C8C8)
YUV	159.6350, 19.8999, -82.9949
Hunter-Lab	68.3403, -32.5161, -5.9617

Details

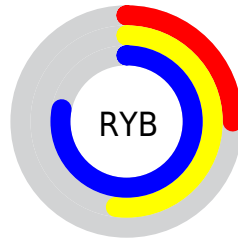
The CIELCh color **74, 36.869, 196.723** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 61.366, 29.572**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **54, 32.756, 197.429** is the 20% darker color. If you saturate the color by 10%, you get **74, 39.292, 196.553**, and if you desaturate by 10%, it is **75, 33.537, 196.955**.

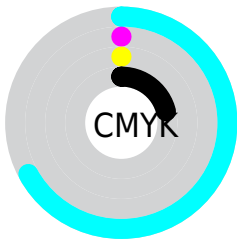
Distribution



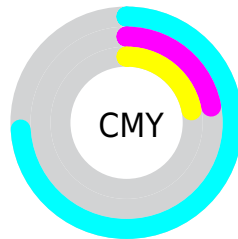
- Red (25%)
- Green (78%)
- Blue (78%)



- Red (25%)
- Yellow (52%)
- Blue (78%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (74%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 36.869, 196.723 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, 36.869, 196.723 by changing the saturation by 10% instead.


 74, 36.869,
196.723

 74, 36.869,
196.723


 100, 36.869,
196.723


 64, 36.869,
196.723


 94, 36.869,
196.723

 54, 36.869,
196.723

 44, 36.869,
196.723

 34, 36.869,
196.723

 24, 36.869,
196.723

 14, 36.869,
196.723

 4, 36.869, 196.723

■ 0, 36.869, 196.723

■ 74, 36.869,
196.723

■ 74, 36.869,
196.723

■ 74, 39.292,
196.553

■ 75, 33.537,
196.955

■ 73, 40.837,
196.446

■ 75, 29.321,
197.255

■ 73, 41.616,
196.393

■ 76, 24.288,
197.619

■ 73, 41.765,
196.382

■ 77, 18.534,
198.045

■ 78, 12.173,
198.530

■ 80, 5.322, 199.102

■ 81, 1.907, 19.260

■ 83, 9.412, 20.070

■ 85, 17.105, 20.697

Harmonies

Complementary

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



74, 36.869, 196.723



48, 61.366, 29.572

Rectangle

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



74, 36.869, 196.723



74, 36.869, 246.723



74, 36.869, 16.723



74, 36.869, 66.723

Sweetspot

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



74, 36.869, 196.722



97, 16.872, 198.384



72, 82.267, 138.170



51, 11.403, 198.244



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, 36.869, 196.722



91, 48.156, 196.495



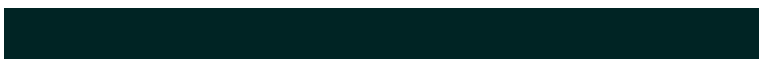
55, 40.263, 268.611



41, 4.034, 198.976



61, 35.889, 196.382



12, 12.984, 196.383

Inverse Universe

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



48, 61.366, 29.572



56, 90.309, 34.635



61, 49.942, 65.306



39, 4.279, 19.920



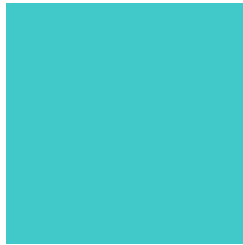
34, 74.643, 39.775



3, 15.885, 19.404

Previews

White Background



This preview shows how the CIELCh color 74, 36.869, 196.723 looks on a white background.

Color Contrast Check

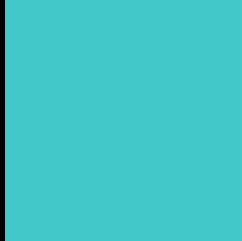
Large Text (above 18pt) WCAG AA × Fail

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, 36.869, 196.723 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

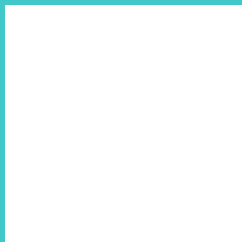
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 36.869, 196.723

Background



This preview shows how black text looks on a background with the CIELCh color 74, 36.869, 196.723.

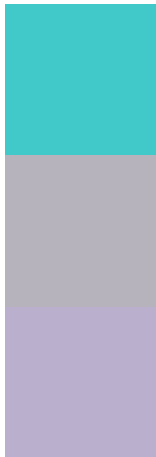


This preview shows how white text looks on a background with the CIELCh color 74, 36.869, 196.723.

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

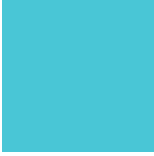
74, 36.869, 196.723

Protanopia

73, 5.026, 303.295

Deuteranopia

73, 16.205, 304.272



Tritanopia
74, 34.331, 211.869

Trichromacy



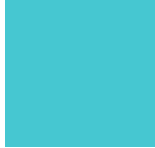
Original Color
74, 36.869, 196.723



Protanomaly
73, 16.153, 207.959



Deuteranomaly
73, 17.002, 233.850



Tritanomaly
74, 35.072, 205.924

Monochromacy



Original Color
74, 36.869, 196.723



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 16.952, 198.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 36.869, 196.723 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(65, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(65, 200, 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(65, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 36.869, 196.723 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(65, 200, 200) }
```

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

```
.border{ border-color:rgb(65, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(65, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 36.869, 196.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 200, 200) }
```

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

```
.background{ background-color: rgb(65, 200,  
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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