

Converting Colors

CIELCh(74, 36.821, 196.717)

Have a look what the booklet for
CIELCh(74, 36.821, 196.717)
contains.

CIELCh(74, 36.724, 196.733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(74, 36.724, 196.733)

Conversions

Conversions Part 1

Format	Color
Hex	42C8C8
RGB	66, 200, 200
RGB Percent	26%, 78%, 78%
CMY	0.7405, 0.2152, 0.2152
CMYK	0.67, 0.00, 0.00, 0.22
HSL	180°, 55%, 52%
HSV	180°, 67%, 78%
XYZ	33.3790, 46.7039, 61.9722
YIQ	159.9340, -79.8640, -28.4080

Conversions

Conversions Part 2

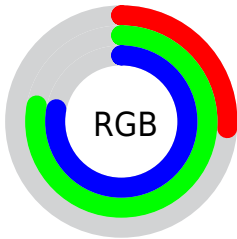
Format	Color
RYB	66, 133, 200
Decimal	4376776
CIELab	74.00, -35.17, -10.57
CIELCh	74, 36.724, 196.733
Yxy	46.7039, 0.2350, 0.3288
Android (android.graphics.Color)	4282566856 (0xFF42C8C8)
YUV	159.9340, 19.7525, -82.3801
Hunter-Lab	68.3403, -32.4118, -5.9270

Details

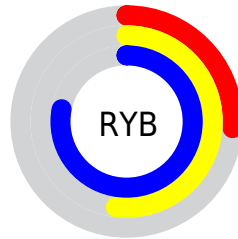
The CIELCh color **74, 36.724, 196.733** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 60.885, 29.427**, and the grayscale version is **66, 0.008, 296.813**.

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, 39.189, 196.560**, and if you desaturate by 10%, it is **75, 33.350, 196.969**.

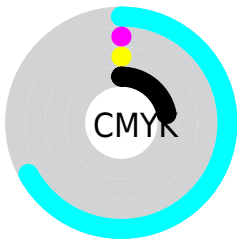
Distribution



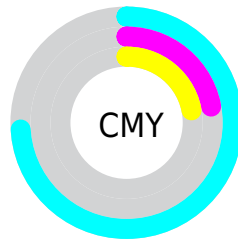
- Red (26%)
- Green (78%)
- Blue (78%)



- Red (26%)
- Yellow (52%)
- Blue (78%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 36.724, 196.733 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, 36.724, 196.733 by changing the saturation by 10% instead.


 74, 36.724,
196.733

 74, 36.724,
196.733


 100, 36.724,
196.733


 64, 36.724,
196.733


 94, 36.724,
196.733

 54, 36.724,
196.733

 44, 36.724,
196.733

 34, 36.724,
196.733

 24, 36.724,
196.733

 14, 36.724,
196.733

 4, 36.724, 196.733

■ 0, 36.724, 196.733

■ 74, 36.724,
196.733

■ 74, 36.724,
196.733

■ 74, 39.189,
196.560

■ 75, 33.350,
196.969

■ 73, 40.773,
196.451

■ 75, 29.095,
197.271

■ 73, 41.579,
196.395

■ 76, 24.027,
197.638

■ 73, 41.756,
196.383

■ 77, 18.244,
198.066

■ 78, 11.859,
198.555

■ 80, 4.989, 199.135

■ 81, 2.253, 19.331

■ 83, 9.767, 20.101

■ 85, 17.465, 20.727

Harmonies

Complementary

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



74, 36.724, 196.733



48, 60.885, 29.427

Rectangle

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



74, 36.724, 196.733



74, 36.724, 246.733



74, 36.724, 16.733



74, 36.724, 66.733

Sweetspot

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



74, 36.724, 196.732



97, 16.872, 198.384



72, 81.817, 138.220



51, 11.403, 198.245



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, 36.724, 196.732



91, 47.960, 196.507



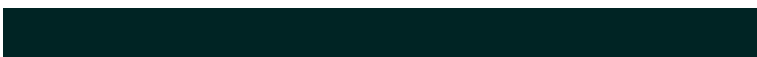
55, 39.993, 268.438



41, 4.034, 198.977



61, 35.889, 196.383



12, 12.984, 196.384

Inverse Universe

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



48, 60.885, 29.427



56, 89.247, 34.269



61, 49.546, 65.369



39, 4.279, 19.921



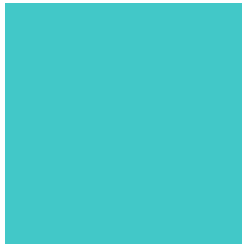
34, 74.644, 39.775



3, 15.885, 19.404

Previews

White Background



This preview shows how the CIELCh color 74, 36.724, 196.733 looks on a white background.

Color Contrast Check

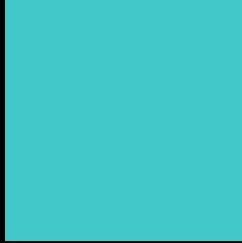
Large Text (above 18pt) WCAG AA × Fail

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, 36.724, 196.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

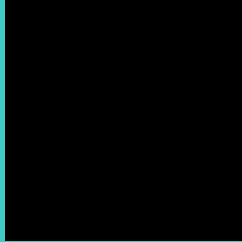
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

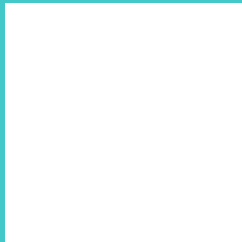
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 36.724, 196.733

Background



This preview shows how black text looks on a background with the CIELCh color 74, 36.724, 196.733.

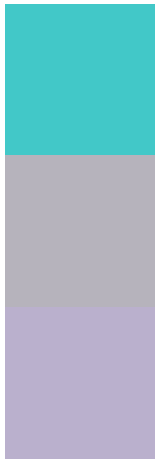


This preview shows how white text looks on a background with the CIELCh color 74, 36.724, 196.733.

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, 36.724, 196.733

Protanopia
73, 5.026, 303.295

Deuteranopia
73, 16.205, 304.272

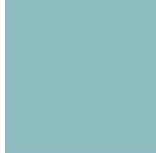


Tritanopia
74, 34.181, 211.945

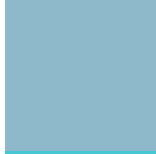
Trichromacy



Original Color
74, 36.724, 196.733



Protanomaly
73, 16.153, 207.959



Deuteranomaly
73, 17.002, 233.850

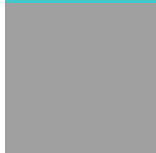


Tritanomaly
74, 34.923, 205.973

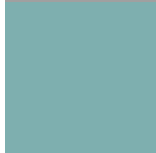
Monochromacy



Original Color
74, 36.724, 196.733



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, 36.724, 196.733 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(66, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 36.724, 196.733 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(66, 200, 200) }
```

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

```
.border{ border-color:rgb(66, 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(66, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(66, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 36.724, 196.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 200, 200) }
```

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

```
.background{ background-color: rgb(66, 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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