

Converting Colors

CIELCh(76, 37.404, 189.178)

Have a look what the booklet for
CIELCh(76, 37.404, 189.178)
contains.

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Color

CIELCh(76, 37.409, 189.181)

Conversions

Conversions Part 1

Format	Color
Hex	4ECEC5
RGB	78, 206, 197
RGB Percent	31%, 81%, 77%
CMY	0.6933, 0.1915, 0.2268
CMYK	0.62, 0.00, 0.04, 0.19
HSL	176°, 57%, 56%
HSV	176°, 62%, 81%
XYZ	35.3645, 49.8872, 60.6842
YIQ	166.7020, -73.3990, -29.9350

Conversions

Conversions Part 2

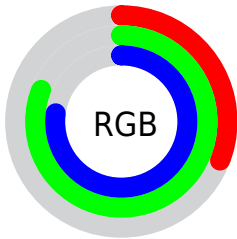
Format	Color
RYB	78, 144, 206
Decimal	5164741
CIELab	76.00, -36.93, -5.97
CIELCh	76, 37.409, 189.181
Yxy	49.8872, 0.2423, 0.3418
Android (android.graphics.Color)	4283354821 (0xFF4ECEC5)
YUV	166.7020, 14.9369, -77.7917
Hunter-Lab	70.6309, -34.2302, -1.4988

Details

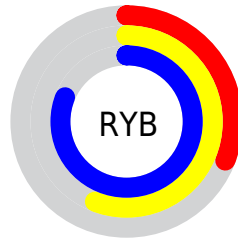
The CIELCh color **76, 37.409, 189.181** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 55.756, 23.098**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **94, 34.339, 196.435**, and **56, 35.414, 188.702** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.738, 188.433**, and if you desaturate by 10%, it is **77, 33.174, 189.903**.

Distribution



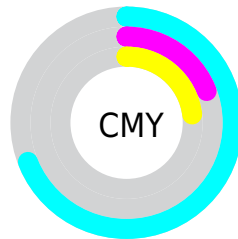
- Red (31%)
- Green (81%)
- Blue (77%)



- Red (31%)
- Yellow (56%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)





- Cyan (69%)
- Magenta (19%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.409, 189.181 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 76, 37.409, 189.181 by changing the saturation by 10% instead.


 76, 37.409,
189.181


 76, 37.409,
189.181


 100, 37.409,
189.181


 66, 37.409,
189.181


 96, 37.409,
189.181

 56, 37.409,
189.181

 46, 37.409,
189.181

 36, 37.409,
189.181

 26, 37.409,
189.181

 16, 37.409,
189.181

 6, 37.409, 189.181

■ 0, 37.409, 189.181

■ 76, 37.409,
189.181

■ 76, 37.409,
189.181

■ 76, 40.738,
188.433

■ 77, 33.174,
189.903

■ 75, 43.146,
187.648

■ 77, 28.096,
190.614

■ 75, 44.683,
186.809

■ 78, 22.275,
191.324

■ 75, 45.445,
186.110

■ 80, 15.828,
192.039

■ 81, 8.880, 192.774

■ 82, 1.552, 193.780

■ 84, 6.048, 14.045

■ 86, 13.825, 14.809

■ 87, 18.364, 14.236

Harmonies

Complementary

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



76, 37.409, 189.181



51, 55.756, 23.098

Rectangle

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



76, 37.409, 189.181



76, 37.409, 239.181



76, 37.409, 9.181



76, 37.409, 59.181

Sweetspot

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



76, 37.409, 189.180



97, 16.320, 192.244



74, 77.719, 137.554



51, 11.142, 192.035



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 37.409, 189.180



91, 48.731, 188.214



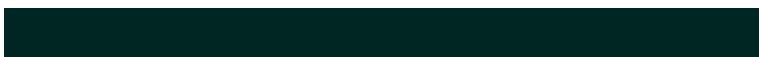
61, 34.997, 258.416



42, 4.162, 192.982



61, 38.596, 186.257



13, 14.162, 188.246

Inverse Universe

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



51, 55.756, 23.098



58, 79.447, 27.467



62, 46.701, 59.596



40, 4.381, 14.235



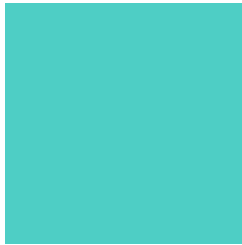
34, 72.750, 36.906



4, 17.958, 15.940

Previews

White Background



This preview shows how the CIELCh color 76, 37.409, 189.181 looks on a white background.

Color Contrast Check

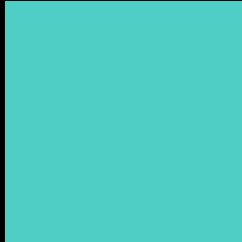
Large Text (above 18pt) WCAG AA × Fail

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 76, 37.409, 189.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

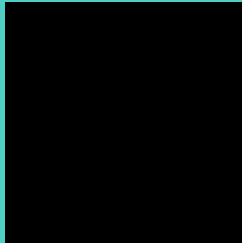
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

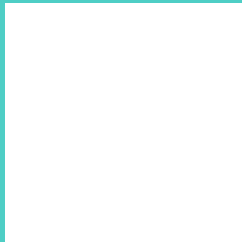
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 37.409, 189.181

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.409, 189.181.

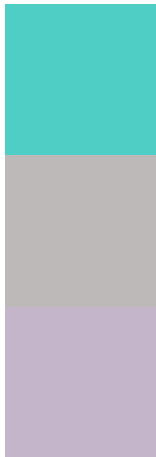


This preview shows how white text looks on a background with the CIELCh color 76, 37.409, 189.181.

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
76, 37.409, 189.181

Protanopia
75, 1.490, 19.177

Deuteranopia
76, 13.115, 315.593

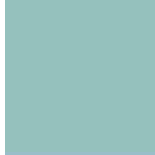


Tritanopia
76, 32.884, 212.585

Trichromacy



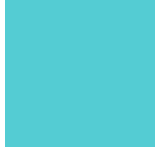
Original Color
76, 37.409, 189.181



Protanomaly
75, 15.574, 190.208



Deuteranomaly
75, 13.778, 224.258

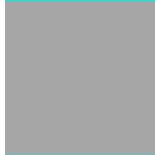


Tritanomaly
76, 33.955, 203.471

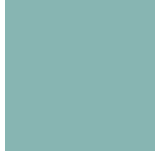
Monochromacy



Original Color
76, 37.409, 189.181



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 16.217, 192.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.409, 189.181 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(78, 206, 197)` looks like.

```
.text, #text, p{  
    color:rgb(78, 206, 197)  
}
```

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(78, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 206, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.409, 189.181 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(78, 206, 197) }
```

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

```
.border{ border-color:rgb(78, 206, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 206, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(78, 206,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.409, 189.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 206, 197) }
```

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

```
.background{ background-color: rgb(78, 206,  
197) }
```

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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