

Converting Colors

CIELCh(76, 37.957, 195.021)

Have a look what the booklet for
CIELCh(76, 37.957, 195.021)
contains.

CIELCh(76, 37.849, 195.051)	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(76, 37.849, 195.051)

Conversions

Conversions Part 1

Format	Color
Hex	44CECC
RGB	68, 206, 204
RGB Percent	27%, 81%, 80%
CMY	0.7319, 0.1911, 0.1989
CMYK	0.67, 0.00, 0.01, 0.19
HSL	179°, 59%, 54%
HSV	179°, 67%, 81%
XYZ	35.4764, 49.8872, 65.0545
YIQ	164.5100, -81.6060, -29.8780

Conversions

Conversions Part 2

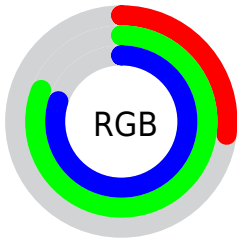
Format	Color
RYB	68, 138, 206
Decimal	4509388
CIELab	76.00, -36.55, -9.83
CIELCh	76, 37.849, 195.051
Yxy	49.8872, 0.2359, 0.3317
Android (android.graphics.Color)	4282699468 (0xFF44CECC)
YUV	164.5100, 19.4686, -84.6393
Hunter-Lab	70.6309, -33.9472, -5.1674

Details

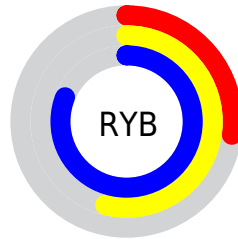
The CIELCh color **76, 37.849, 195.051** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **49, 61.881, 28.477**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.582, 197.234**, and **56, 34.058, 195.391** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.434, 194.744**, and if you desaturate by 10%, it is **77, 34.332, 195.399**.

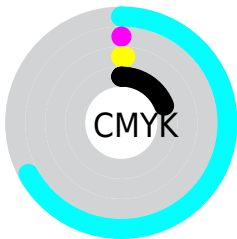
Distribution



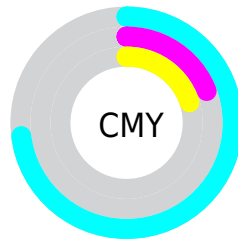
- Red (27%)
- Green (81%)
- Blue (80%)



- Red (27%)
- Yellow (54%)
- Blue (81%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (73%)
- Magenta (19%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.849, 195.051 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, 37.849, 195.051 by changing the saturation by 10% instead.


 76, 37.849,
195.051


 76, 37.849,
195.051


 100, 37.849,
195.051


 66, 37.849,
195.051


 96, 37.849,
195.051

 56, 37.849,
195.051

 46, 37.849,
195.051

 36, 37.849,
195.051

 26, 37.849,
195.051

 16, 37.849,
195.051

 6, 37.849, 195.051

0, 37.849, 195.051

76, 37.849,
195.051

76, 37.849,
195.051

76, 40.434,
194.744

77, 34.332,
195.399

75, 42.111,
194.476

77, 29.914,
195.796

75, 42.984,
194.236

78, 24.669,
196.241

75, 43.180,
194.163

79, 18.700,
196.735

80, 12.123,
197.278

82, 5.062, 197.904

■ 83, 2.370, 18.146

■ 85, 10.067, 18.940

■ 87, 17.942, 19.593

Harmonies

Complementary

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



76, 37.849, 195.051



49, 61.881, 28.477

Rectangle

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



76, 37.849, 195.051



76, 37.849, 245.051



76, 37.849, 15.051



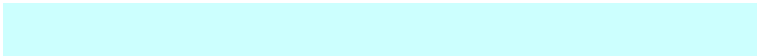
76, 37.849, 65.051

Sweetspot

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



76, 37.849, 195.050



97, 16.910, 197.088



74, 83.741, 138.214



51, 11.432, 196.933



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, 37.849, 195.050



91, 48.380, 194.629



56, 40.939, 268.457



42, 4.124, 197.729



62, 36.692, 194.197



13, 13.628, 194.645

Inverse Universe

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



49, 61.881, 28.477



56, 88.472, 33.428



62, 50.725, 65.362



40, 4.368, 18.748



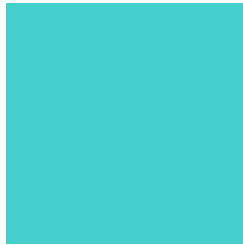
34, 74.956, 39.236



4, 17.915, 18.688

Previews

White Background



This preview shows how the CIELCh color 76, 37.849, 195.051 looks on a white background.

Color Contrast Check

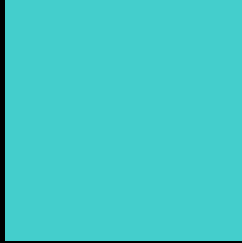
Large Text (above 18pt) WCAG AA × Fail

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, 37.849, 195.051 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

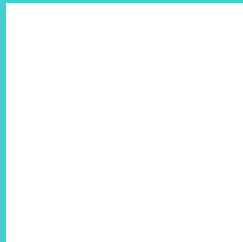
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 37.849, 195.051

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.849, 195.051.

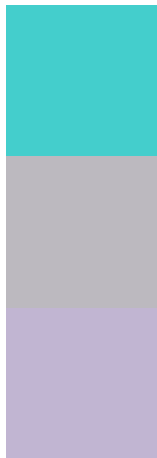


This preview shows how white text looks on a background with the CIELCh color 76, 37.849, 195.051.

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

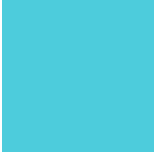
76, 37.849, 195.051

Protanopia

76, 3.438, 309.171

Deuteranopia

75, 16.296, 306.697



Tritanopia
76, 34.871, 211.559

Trichromacy



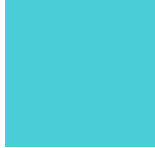
Original Color
76, 37.849, 195.051



Protanomaly
75, 16.695, 203.783



Deuteranomaly
75, 16.711, 234.375

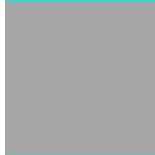


Tritanomaly
76, 35.679, 204.833

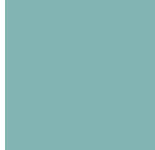
Monochromacy



Original Color
76, 37.849, 195.051



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 17.291, 196.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.849, 195.051 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(68, 206, 204)` looks like.

```
.text, #text, p{  
    color:rgb(68, 206, 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(68, 206, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 206, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.849, 195.051 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(68, 206, 204) }
```

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

```
.border{ border-color:rgb(68, 206, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 206, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 206, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 206, 204);  
box-shadow:4px 4px 4px 4px rgb(68, 206,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.849, 195.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 206, 204) }
```

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

```
.background{ background-color: rgb(68, 206,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor