

Converting Colors

CIELCh(76, 39.348, 196.545)

Have a look what the booklet for
CIELCh(76, 39.348, 196.545)
contains.

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Color

CIELCh(76, 39.333, 196.621)

Conversions

Conversions Part 1

Format	Color
Hex	38CFCF
RGB	56, 207, 207
RGB Percent	22%, 81%, 81%
CMY	0.7812, 0.1888, 0.1888
CMYK	0.73, 0.00, 0.00, 0.19
HSL	180°, 61%, 51%
HSV	180°, 73%, 81%
XYZ	35.1408, 49.8872, 66.7162
YIQ	161.8510, -89.9960, -32.0120

Conversions

Conversions Part 2

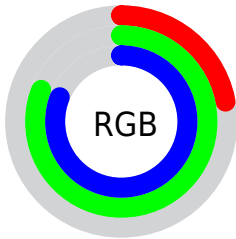
Format	Color
R _{YB}	56, 132, 207
Decimal	3723215
CIE _{Lab}	76.00, -37.69, -11.25
CIE _{LCh}	76, 39.333, 196.621
Yxy	49.8872, 0.2316, 0.3288
Android (android.graphics.Color)	4281913295 (0xFF38CFCF)
YUV	161.8510, 22.2585, -92.8313
Hunter-Lab	70.6309, -34.7955, -6.5623

Details

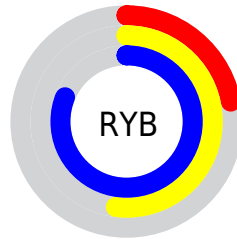
The CIELCh color **76, 39.333, 196.621** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **47, 68.683, 31.457**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **57, 33.911, 197.385** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.291, 196.488**, and if you desaturate by 10%, it is **76, 36.449, 196.816**.

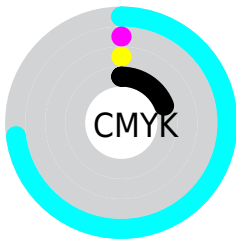
Distribution



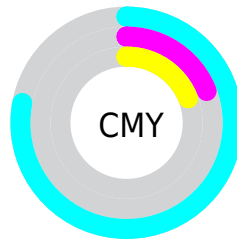
- Red (22%)
- Green (81%)
- Blue (81%)



- Red (22%)
- Yellow (52%)
- Blue (81%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (78%)
- Magenta (19%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.333, 196.621 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, 39.333, 196.621 by changing the saturation by 10% instead.


 76, 39.333,
196.621


 76, 39.333,
196.621


 100, 39.333,
196.621


 66, 39.333,
196.621


 96, 39.333,
196.621

 56, 39.333,
196.621

 46, 39.333,
196.621

 36, 39.333,
196.621

 26, 39.333,
196.621

 16, 39.333,
196.621

 6, 39.333, 196.621

■ 0, 39.333, 196.621

■ 76, 39.333,
196.621

■ 76, 39.333,
196.621

■ 76, 41.291,
196.488

■ 76, 36.449,
196.816

■ 76, 42.392,
196.414

■ 77, 32.635,
197.078

■ 75, 42.802,
196.386

■ 78, 27.937,
197.406

■ 79, 22.437,
197.798

■ 80, 16.244,
198.249

■ 81, 9.478, 198.765

■ 83, 2.259, 199.488

■ 84, 5.301, 19.696

■ 86, 13.104, 20.351

Harmonies

Complementary

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



76, 39.333, 196.621



47, 68.683, 31.457

Rectangle

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



76, 39.333, 196.621



76, 39.333, 246.621



76, 39.333, 16.621



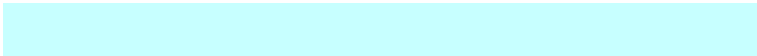
76, 39.333, 66.621

Sweetspot

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



76, 39.333, 196.620



96, 18.436, 198.286



73, 89.636, 137.790



51, 12.271, 198.155



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, 39.333, 196.620



91, 49.236, 196.437



54, 45.735, 272.688



43, 4.203, 198.975



62, 36.712, 196.386



14, 14.038, 196.386

Inverse Universe

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



52, 87.851, 327.851



61, 112.725, 328.148



62, 55.943, 66.030



41, 7.693, 324.935



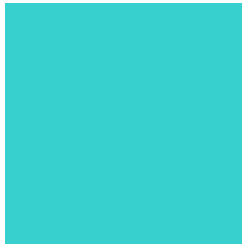
40, 84.660, 328.233



6, 31.113, 327.825

Previews

White Background



This preview shows how the CIELCh color 76, 39.333, 196.621 looks on a white background.

Color Contrast Check

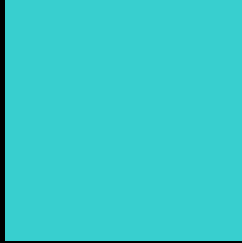
Large Text (above 18pt) WCAG AA × Fail

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, 39.333, 196.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

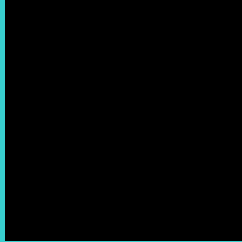
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

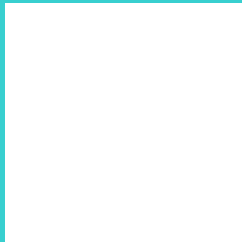
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 39.333, 196.621

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.333, 196.621.

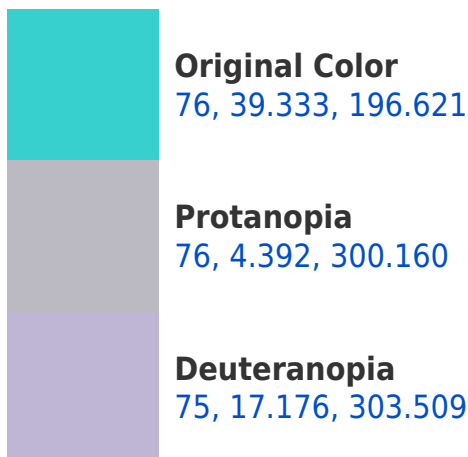


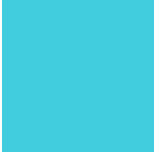
This preview shows how white text looks on a background with the CIELCh color 76, 39.333, 196.621.

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





Tritanopia
76, 36.725, 210.693

Trichromacy



Original Color
76, 39.333, 196.621



Protanomaly
75, 18.210, 206.679



Deuteranomaly
74, 18.692, 234.046

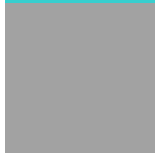


Tritanomaly
76, 37.470, 205.192

Monochromacy



Original Color
76, 39.333, 196.621



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.758, 197.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.333, 196.621 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(56, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(56, 207, 207)  
}
```

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(56, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 207, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.333, 196.621 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(56, 207, 207) }
```

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

```
.border{ border-color:rgb(56, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(56, 207,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.333, 196.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 207, 207) }
```

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

```
.background{ background-color: rgb(56, 207,  
207) }
```

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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