

Converting Colors

CIELCh(76, 40.344, 211.418)

Have a look what the booklet for
CIELCh(76, 40.344, 211.418)
contains.

CIELCh(76, 40.309, 211.664)	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, 40.309, 211.664)

Conversions

Conversions Part 1

Format	Color
Hex	1ACEE1
RGB	26, 206, 225
RGB Percent	10%, 81%, 88%
CMY	0.8997, 0.1915, 0.1169
CMYK	0.89, 0.08, 0.00, 0.12
HSL	186°, 80%, 49%
HSV	186°, 89%, 88%
XYZ	36.1434, 49.8872, 79.0855
YIQ	154.3460, -113.3790, -32.2510

Conversions

Conversions Part 2

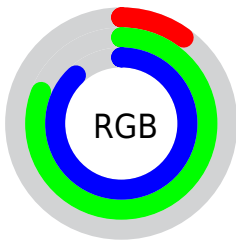
Format	Color
RYP	26, 121, 225
Decimal	1756897
CIELab	76.00, -34.31, -21.16
CIELCh	76, 40.309, 211.664
Yxy	49.8872, 0.2189, 0.3021
Android (android.graphics.Color)	4279946977 (0xFF1ACEE1)
YUV	154.3460, 34.8324, -112.5594
Hunter-Lab	70.6309, -32.2617, -16.9455

Details

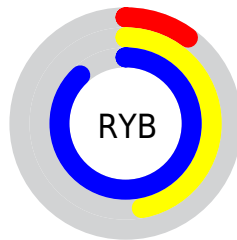
The CIELCh color **76, 40.309, 211.664** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **49, 85.911, 39.250**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **57, 32.686, 216.445** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.710, 213.248**, and if you desaturate by 10%, it is **77, 39.121, 210.387**.

Distribution



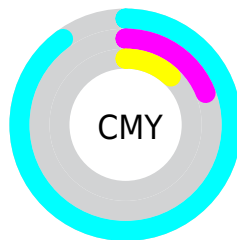
- Red (10%)
- Green (81%)
- Blue (88%)



- Red (10%)
- Yellow (47%)
- Blue (88%)



- Cyan (89%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (90%)
- Magenta (19%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 40.309, 211.664 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, 40.309, 211.664 by changing the saturation by 10% instead.

 76, 40.309,
211.664


 76, 40.309,
211.664


 100, 40.309,
211.664


 66, 40.309,
211.664


 96, 40.309,
211.664

 56, 40.309,
211.664

 46, 40.309,
211.664

 36, 40.309,
211.664

 26, 40.309,
211.664

 16, 40.309,
211.664

 6, 40.309, 211.664

■ 0, 40.309, 211.664

■ 76, 40.309,
211.664

■ 76, 40.309,
211.664

■ 75, 40.710,
213.248

■ 77, 39.121,
210.387

■ 75, 40.743,
213.474

■ 78, 36.999,
209.416

■ 79, 33.906,
208.713

■ 81, 29.873,
208.242

■ 82, 24.977,
207.967

■ 84, 19.323,
207.856

■ 86, 13.029,
207.883

■ 88, 6.216, 208.051

■ 90, 1.004, 27.547

Harmonies

Complementary

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



76, 40.309, 211.664



49, 85.911, 39.250

Rectangle

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



76, 40.309, 211.664



76, 40.309, 261.664



76, 40.309, 31.664



76, 40.309, 81.664

Sweetspot

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



76, 40.308, 211.663



94, 20.264, 207.852



79, 102.954, 137.618



49, 13.472, 207.866



0, 0.000, 0.000



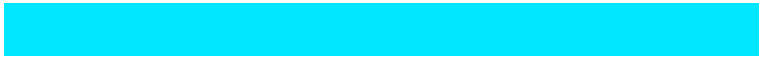
53, 0.007, 296.813

Same Dimension

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



76, 40.308, 211.663



84, 44.734, 213.607



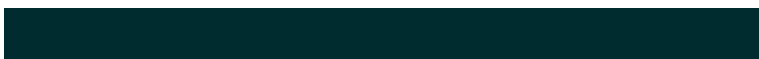
48, 68.731, 287.155



46, 4.066, 208.030



60, 33.926, 213.164



16, 14.127, 210.143

Inverse Universe

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



53, 95.728, 331.963



59, 107.093, 332.517



66, 71.107, 70.462



44, 7.639, 327.647



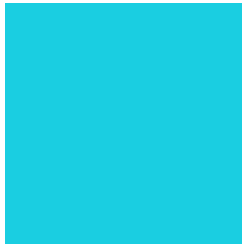
41, 81.216, 332.409



7, 33.697, 331.655

Previews

White Background



This preview shows how the CIE LCh color 76, 40.309, 211.664 looks on a white background.

Color Contrast Check

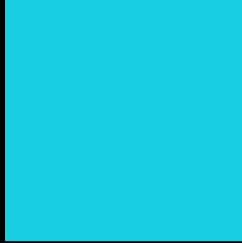
Large Text (above 18pt) WCAG AA × Fail

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, 40.309, 211.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

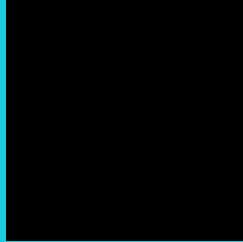
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 40.309, 211.664

Background



This preview shows how black text looks on a background with the CIELCh color 76, 40.309, 211.664.



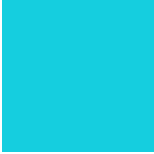
This preview shows how white text looks on a background with the CIELCh color 76, 40.309, 211.664.

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



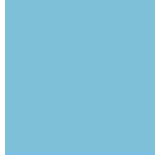


Tritanopia
76, 40.524, 209.949

Trichromacy



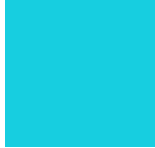
Original Color
76, 40.260, 211.686



Protanomaly
74, 23.981, 231.173



Deuteranomaly
74, 27.920, 246.226



Tritanomaly
76, 40.415, 210.803

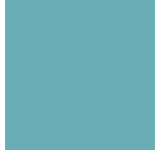
Monochromacy



Original Color
76, 40.260, 211.686



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 21.703, 208.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 40.309, 211.664 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(26, 206, 225)` looks like.

```
.text, #text, p{  
    color:rgb(26, 206, 225)  
}
```

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(26, 206, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 206, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 40.309, 211.664 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(26, 206, 225) }
```

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

```
.border{ border-color:rgb(26, 206, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 206, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 206, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 206, 225);  
box-shadow:4px 4px 4px 4px rgb(26, 206,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 40.309, 211.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 206, 225) }
```

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

```
.background{ background-color: rgb(26, 206,  
225) }
```

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