

Converting Colors

CIELCh(75, 46.645, 213.640)

Have a look what the booklet for
CIELCh(75, 46.645, 213.640)
contains.

CIELCh(76, 41.134, 216.177)	3
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Color

CIELCh(76, 41.134, 216.177)

Conversions

Conversions Part 1

Format	Color
Hex	00CEE7
RGB	0, 206, 231
RGB Percent	0%, 81%, 91%
CMY	1.0000, 0.1923, 0.0943
CMYK	1.00, 0.11, 0.00, 0.09
HSL	186°, 100%, 45%
HSV	186°, 100%, 91%
XYZ	36.4753, 49.8872, 83.2762
YIQ	147.2560, -130.8010, -35.8970

Conversions

Conversions Part 2

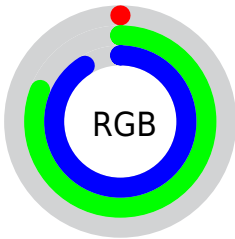
Format	Color
RYB	0, 109, 231
Decimal	52967
CIELab	76.00, -33.20, -24.28
CIElCh	76, 41.134, 216.177
Yxy	49.8872, 0.2150, 0.2941
Android (android.graphics.Color)	4278243047 (0xFF00CEE7)
YUV	147.2560, 41.2858, -129.1435
Hunter-Lab	70.6309, -31.4230, -20.4632

Details

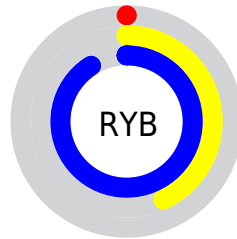
The CIELCh color **76, 41.134, 216.177** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 95.333, 41.107**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **57, 32.978, 221.787** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.128, 216.179**, and if you desaturate by 10%, it is **77, 40.782, 214.284**.

Distribution



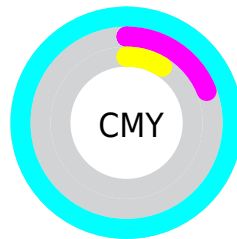
- Red (0%)
- Green (81%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (19%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.134, 216.177 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, 41.134, 216.177 by changing the saturation by 10% instead.


 76, 41.134,
216.177


 76, 41.134,
216.177


 100, 41.134,
216.177


 66, 41.134,
216.177


 96, 41.134,
216.177

 56, 41.134,
216.177

 46, 41.134,
216.177

 36, 41.134,
216.177

 26, 41.134,
216.177

 16, 41.134,
216.177

 6, 41.134, 216.177

■ 0, 41.134, 216.177

■ 76, 41.134,
216.177

■ 76, 41.134,
216.177

■ 76, 41.128,
216.179

■ 77, 40.782,
214.284

■ 78, 39.706,
212.726

■ 79, 37.698,
211.520

■ 80, 34.711,
210.626

■ 82, 30.766,
209.997

■ 83, 25.936,
209.592

■ 85, 20.325,
209.372

■ 87, 14.052,
209.308

■ 89, 7.239, 209.390

Harmonies

Complementary

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



76, 41.134, 216.177



49, 95.333, 41.107

Rectangle

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



76, 41.134, 216.177



76, 41.134, 266.177



76, 41.134, 36.177



76, 41.134, 86.177

Sweetspot

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



76, 41.128, 216.179



93, 22.010, 209.375



80, 109.138, 136.762



49, 14.753, 209.448



0, 0.000, 0.000



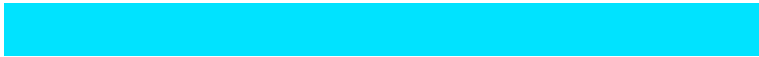
53, 0.007, 296.813

Same Dimension

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



76, 41.128, 216.179



83, 44.309, 216.301



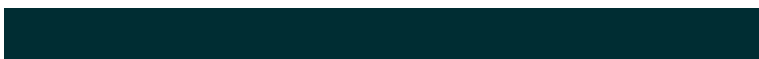
43, 82.331, 293.011



47, 4.096, 209.400



60, 33.958, 215.808



16, 14.431, 212.466

Inverse Universe

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



53, 98.383, 333.149



59, 105.985, 333.179



66, 76.903, 68.865



45, 7.711, 328.049



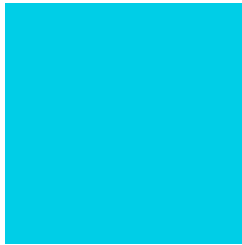
41, 81.249, 333.057



8, 34.542, 332.238

Previews

White Background



This preview shows how the CIE LCh color 76, 41.134, 216.177 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, 41.134, 216.177 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, 41.134, 216.177

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.134, 216.177.

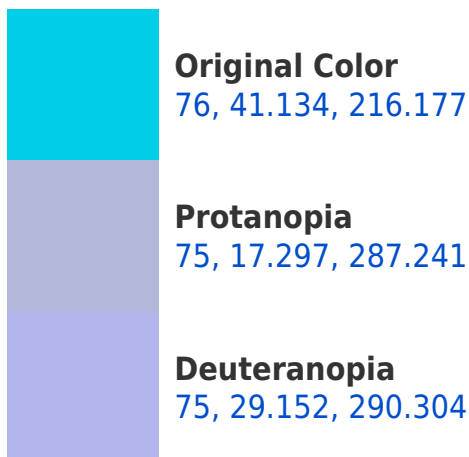


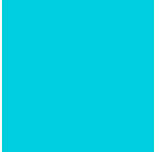
This preview shows how white text looks on a background with the CIELCh color 76, 41.134, 216.177.

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



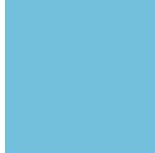


Tritanopia
76, 41.328, 208.845

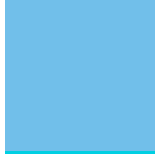
Trichromacy



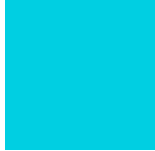
Original Color
76, 41.134, 216.177



Protanomaly
74, 27.159, 233.666



Deuteranomaly
74, 31.319, 246.773

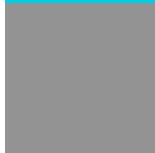


Tritanomaly
76, 41.246, 211.255

Monochromacy



Original Color
76, 41.134, 216.177



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 23.769, 211.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.134, 216.177 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(0, 206, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 231)  
}
```

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(0, 206, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.134, 216.177 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(0, 206, 231) }
```

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

```
.border{ border-color:rgb(0, 206, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 206, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.134, 216.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 231) }
```

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

```
.background{ background-color: rgb(0, 206,  
231) }
```

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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