

Converting Colors

CIELCh(75, 49.397, 210.592)

Have a look what the booklet for
CIELCh(75, 49.397, 210.592)
contains.

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Color

CIELCh(76, 41.240, 214.476)

Conversions

Conversions Part 1

Format	Color
Hex	00CEE5
RGB	0, 206, 229
RGB Percent	0%, 81%, 90%
CMY	1.0000, 0.1913, 0.1011
CMYK	1.00, 0.10, 0.00, 0.10
HSL	186°, 100%, 45%
HSV	186°, 100%, 90%
XYZ	36.2368, 49.8872, 82.0038
YIQ	147.0280, -130.1590, -36.5190

Conversions

Conversions Part 2

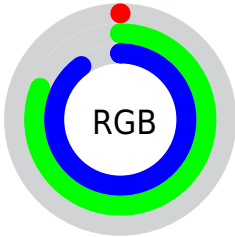
Format	Color
RYB	0, 108, 229
Decimal	52965
CIELab	76.00, -34.00, -23.34
CIELCh	76, 41.240, 214.476
Yxy	49.8872, 0.2155, 0.2967
Android (android.graphics.Color)	4278243045 (0xFF00CEE5)
YUV	147.0280, 40.4122, -128.9436
Hunter-Lab	70.6309, -32.0256, -19.3952

Details

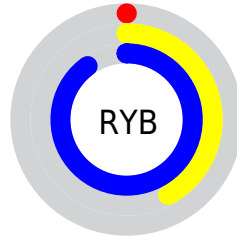
The CIELCh color **76, 41.240, 214.476** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 94.959, 40.991**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **57, 32.831, 219.661** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.125, 214.533**, and if you desaturate by 10%, it is **77, 40.787, 212.808**.

Distribution



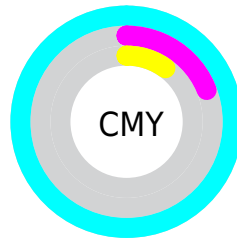
- Red (0%)
- Green (81%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (19%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.240, 214.476 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, 41.240, 214.476 by changing the saturation by 10% instead.


 76, 41.240,
214.476


 76, 41.240,
214.476


 100, 41.240,
214.476


 66, 41.240,
214.476


 96, 41.240,
214.476

 56, 41.240,
214.476

 46, 41.240,
214.476

 36, 41.240,
214.476

 26, 41.240,
214.476

 16, 41.240,
214.476

 6, 41.240, 214.476

■ 0, 41.240, 214.476

■ 76, 41.240,
214.476

■ 76, 41.240,
214.476

■ 76, 41.125,
214.533

■ 77, 40.787,
212.808

■ 78, 39.715,
211.394

■ 79, 37.709,
210.306

■ 80, 34.722,
209.507

■ 81, 30.778,
208.957

■ 83, 25.947,
208.615

■ 85, 20.335,
208.449

■ 87, 14.059,
208.430

■ 89, 7.243, 208.551

Harmonies

Complementary

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



76, 41.240, 214.476



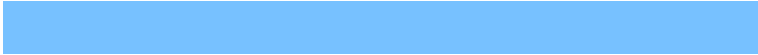
49, 94.959, 40.991

Rectangle

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



76, 41.240, 214.476



76, 41.240, 264.476



76, 41.240, 34.476



76, 41.240, 84.476

Sweetspot

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



76, 41.125, 214.533



93, 22.155, 208.451



80, 108.505, 136.767



49, 14.850, 208.503



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, 41.125, 214.533



84, 44.558, 214.653



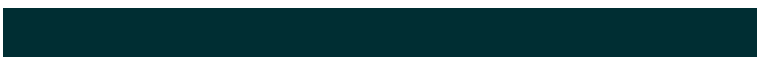
43, 81.823, 292.993



47, 4.124, 208.562



60, 34.151, 214.203



16, 14.516, 211.151

Inverse Universe

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



53, 98.444, 332.744



59, 106.658, 332.774



66, 76.462, 68.882



45, 7.754, 327.805



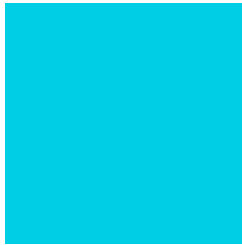
41, 81.754, 332.663



8, 34.724, 331.916

Previews

White Background



This preview shows how the CIE LCh color 76, 41.240, 214.476 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, 41.240, 214.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

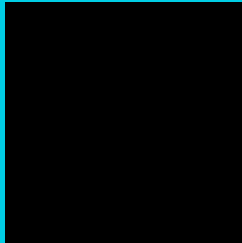
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 41.240, 214.476

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.240, 214.476.



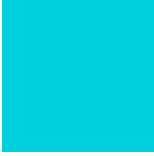
This preview shows how white text looks on a background with the CIELCh color 76, 41.240, 214.476.

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, 41.293, 209.647

Trichromacy



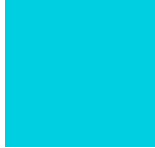
Original Color
76, 41.092, 214.560



Protanomaly
74, 26.932, 232.577



Deuteranomaly
74, 30.839, 246.250



Tritanomaly
76, 41.246, 211.255

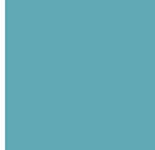
Monochromacy



Original Color
76, 41.092, 214.560



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 23.979, 208.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.240, 214.476 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.240, 214.476 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, 229) }
```

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

```
.border{ border-color:rgb(0, 206, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.240, 214.476 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, 229) }
```

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

```
.background{ background-color: rgb(0, 206,  
229) }
```

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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