

Converting Colors

CIELCh(76, 40.887, 215.209)

Have a look what the booklet for
CIELCh(76, 40.887, 215.209)
contains.

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Color

CIELCh(76, 40.896, 215.482)

Conversions

Conversions Part 1

Format	Color
Hex	09CEE6
RGB	9, 206, 230
RGB Percent	4%, 81%, 90%
CMY	0.9656, 0.1923, 0.0982
CMYK	0.96, 0.10, 0.00, 0.10
HSL	187°, 93%, 47%
HSV	187°, 96%, 90%
XYZ	36.4457, 49.8872, 82.5371
YIQ	149.8330, -125.1160, -34.3000

Conversions

Conversions Part 2

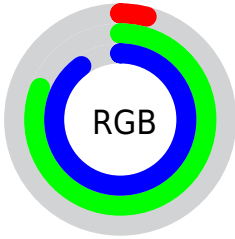
Format	Color
R_{YB}	9, 113, 230
Decimal	642790
CIE _{Lab}	76.00, -33.30, -23.74
CIE _{LCh}	76, 40.896, 215.482
Yxy	49.8872, 0.2158, 0.2954
Android (android.graphics.Color)	4278832870 (0xFF09CEE6)
YUV	149.8330, 39.5223, -123.5105
Hunter-Lab	70.6309, -31.4978, -19.8428

Details

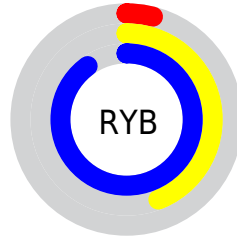
The CIELCh color **76, 40.896, 215.482** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 92.644, 40.633**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **57, 32.899, 220.727** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.987, 216.227**, and if you desaturate by 10%, it is **77, 40.333, 213.689**.

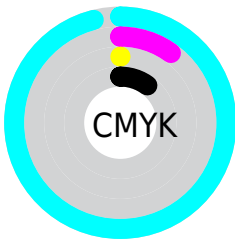
Distribution



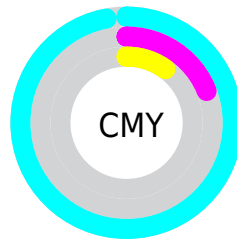
- Red (4%)
- Green (81%)
- Blue (90%)



- Red (4%)
- Yellow (44%)
- Blue (90%)



- Cyan (96%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (97%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 40.896, 215.482 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, 40.896, 215.482 by changing the saturation by 10% instead.

 76, 40.896,
215.482

 76, 40.896,
215.482


 100, 40.896,
215.482


 66, 40.896,
215.482


 96, 40.896,
215.482

 56, 40.896,
215.482

 46, 40.896,
215.482

 36, 40.896,
215.482

 26, 40.896,
215.482

 16, 40.896,
215.482

 6, 40.896, 215.482

■ 0, 40.896, 215.482

■ 76, 40.896,
215.482

■ 76, 40.896,
215.482

■ 76, 40.987,
216.227

■ 77, 40.333,
213.689

■ 78, 38.916,
212.267

■ 79, 36.542,
211.182

■ 80, 33.195,
210.392

■ 82, 28.917,
209.851

■ 84, 23.794,
209.519

■ 86, 17.937,
209.361

■ 88, 11.468,
209.349

■ 90, 4.506, 209.510

Harmonies

Complementary

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



76, 40.896, 215.482



49, 92.644, 40.633

Rectangle

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



76, 40.896, 215.482



76, 40.896, 265.482



76, 40.896, 35.482



76, 40.896, 85.482

Sweetspot

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



76, 40.895, 215.481



93, 21.357, 209.392



80, 107.461, 137.075



49, 14.399, 209.460



0, 0.000, 0.000



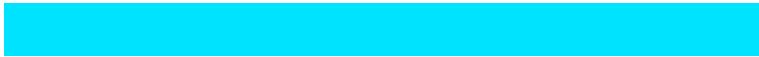
53, 0.007, 296.813

Same Dimension

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



76, 40.895, 215.481



83, 44.302, 216.356



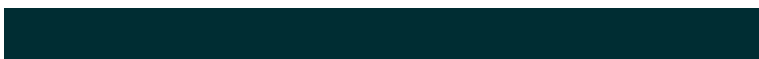
45, 78.648, 291.543



47, 4.096, 209.428



60, 33.952, 215.861



16, 14.429, 212.509

Inverse Universe

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



53, 97.675, 332.958



59, 105.963, 333.192



67, 75.368, 69.939



45, 7.710, 328.057



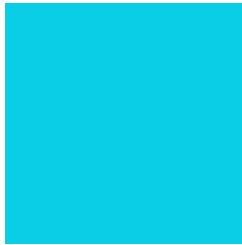
41, 81.233, 333.070



8, 34.536, 332.248

Previews

White Background



This preview shows how the CIELCh color 76, 40.896, 215.482 looks on a white background.

Color Contrast Check

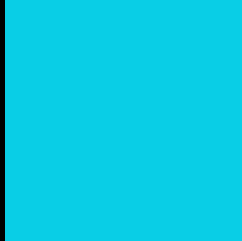
Large Text (above 18pt) WCAG AA × Fail

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, 40.896, 215.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

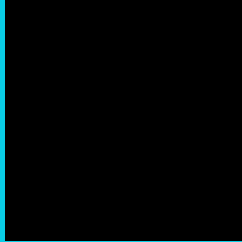
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 40.896, 215.482

Background



This preview shows how black text looks on a background with the CIELCh color 76, 40.896, 215.482.

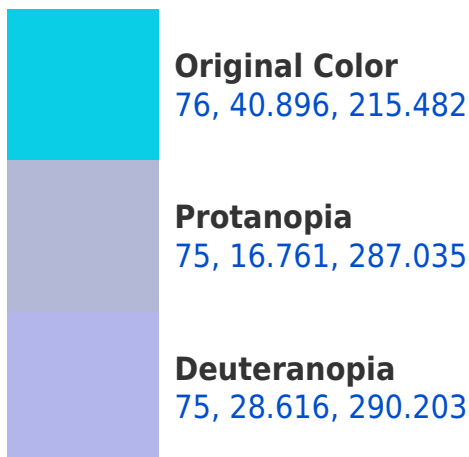


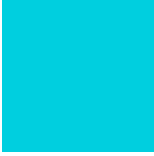
This preview shows how white text looks on a background with the CIELCh color 76, 40.896, 215.482.

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



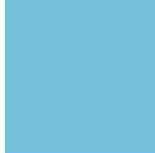


Tritanopia
76, 41.328, 208.845

Trichromacy



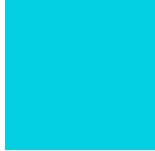
Original Color
76, 40.896, 215.482



Protanomaly
74, 26.340, 233.502



Deuteranomaly
74, 30.534, 246.900

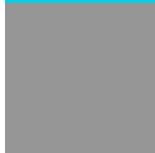


Tritanomaly
76, 41.173, 211.286

Monochromacy



Original Color
76, 40.896, 215.482



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 23.019, 210.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 40.896, 215.482 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(9, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(9, 206, 230)  
}
```

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(9, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 206, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 40.896, 215.482 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(9, 206, 230) }
```

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

```
.border{ border-color:rgb(9, 206, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 206, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(9, 206,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 40.896, 215.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 206, 230) }
```

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

```
.background{ background-color: rgb(9, 206,  
230) }
```

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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