

Converting Colors

CIELCh(78, 41.961, 216.154)

Have a look what the booklet for
CIELCh(78, 41.961, 216.154)
contains.

CIELCh(78, 41.971, 216.463)	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(78, 41.971, 216.463)

Conversions

Conversions Part 1

Format	Color
Hex	02D4EE
RGB	2, 212, 238
RGB Percent	1%, 83%, 93%
CMY	0.9909, 0.1691, 0.0671
CMYK	0.99, 0.11, 0.00, 0.07
HSL	187°, 98%, 47%
HSV	187°, 99%, 93%
XYZ	38.9597, 53.2120, 89.0188
YIQ	152.1740, -133.5060, -36.4340

Conversions

Conversions Part 2

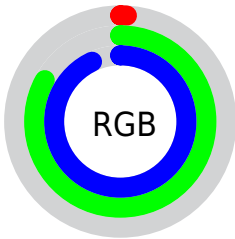
Format	Color
R_{YB}	2, 113, 238
Decimal	185582
CIE _{Lab}	78.00, -33.75, -24.94
CIE _{LCh}	78, 41.971, 216.463
Yxy	53.2120, 0.2150, 0.2937
Android (android.graphics.Color)	4278375662 (0xFF02D4EE)
YUV	152.1740, 42.3122, -131.7026
Hunter-Lab	72.9466, -32.3221, -21.2907

Details

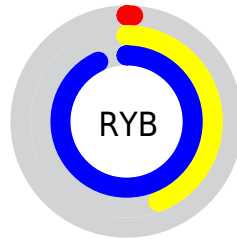
The CIELCh color **78, 41.971, 216.463** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **51, 96.861, 40.979**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **59, 33.945, 221.918** is the 20% darker color. If you saturate the color by 10%, you get **78, 41.993, 216.659**, and if you desaturate by 10%, it is **79, 41.583, 214.533**.

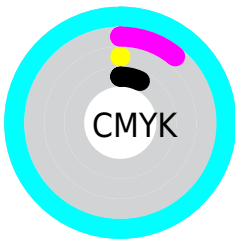
Distribution



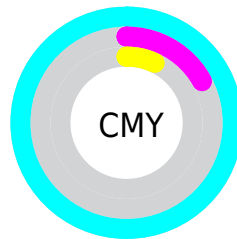
- Red (1%)
- Green (83%)
- Blue (93%)



- Red (1%)
- Yellow (44%)
- Blue (93%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (99%)
- Magenta (17%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 41.971, 216.463 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 78, 41.971, 216.463 by changing the saturation by 10% instead.

 78, 41.971,
216.463

 78, 41.971,
216.463

 100, 41.971,
216.463

 68, 41.971,
216.463

 98, 41.971,
216.463

 58, 41.971,
216.463

 48, 41.971,
216.463

 38, 41.971,
216.463

 28, 41.971,
216.463

 18, 41.971,
216.463

 8, 41.971, 216.463

■ 0, 41.971, 216.463

■ 78, 41.971,
216.463

■ 78, 41.971,
216.463

■ 78, 41.993,
216.659

■ 79, 41.583,
214.533

■ 80, 40.404,
212.966

■ 81, 38.264,
211.756

■ 82, 35.120,
210.859

■ 84, 31.001,
210.231

■ 86, 25.985,
209.827

■ 88, 20.179,
209.608

■ 90, 13.708,
209.545

■ 92, 6.695, 209.634

Harmonies

Complementary

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



78, 41.971, 216.463



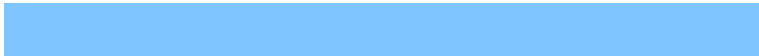
51, 96.861, 40.979

Rectangle

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



78, 41.971, 216.463



78, 41.971, 266.463



78, 41.971, 36.463



78, 41.971, 86.463

Sweetspot

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



78, 41.970, 216.462



93, 21.972, 209.624



82, 111.331, 136.815



49, 14.728, 209.703



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 41.970, 216.462



83, 44.248, 216.746



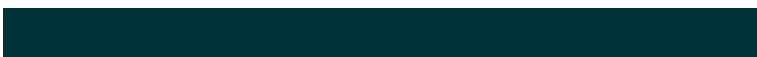
45, 83.444, 292.716



49, 4.237, 209.625



61, 34.622, 216.286



18, 15.284, 213.190

Inverse Universe

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



55, 100.331, 333.214



59, 105.806, 333.288



68, 78.309, 69.073



47, 7.980, 328.118



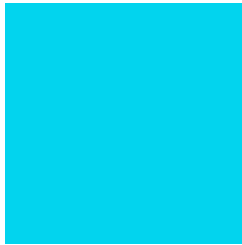
42, 82.815, 333.175



10, 36.588, 332.415

Previews

White Background



This preview shows how the CIE LCh color 78, 41.971, 216.463 looks on a white background.

Color Contrast Check

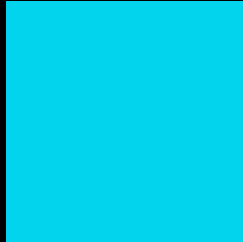
Large Text (above 18pt) WCAG AA × Fail

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 78, 41.971, 216.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

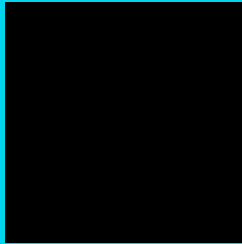
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 41.971, 216.463

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.971, 216.463.



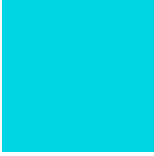
This preview shows how white text looks on a background with the CIELCh color 78, 41.971, 216.463.

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



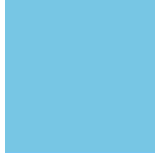


Tritanopia
78, 42.203, 209.287

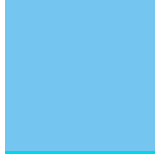
Trichromacy



Original Color
78, 41.993, 216.451



Protanomaly
76, 27.779, 233.901



Deuteranomaly
76, 31.923, 246.650

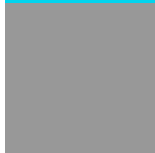


Tritanomaly
78, 42.109, 211.644

Monochromacy



Original Color
78, 41.993, 216.451



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 24.257, 209.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.971, 216.463 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(2, 212, 238)` looks like.

```
.text, #text, p{  
    color:rgb(2, 212, 238)  
}
```

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(2, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 212, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.971, 216.463 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(2, 212, 238) }
```

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

```
.border{ border-color:rgb(2, 212, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 212, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(2, 212,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.971, 216.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 212, 238) }
```

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

```
.background{ background-color: rgb(2, 212,  
238) }
```

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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