

Converting Colors

CIELCh(78, 39.937, 209.124)

Have a look what the booklet for
CIELCh(78, 39.937, 209.124)
contains.

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Color

CIELCh(78, 39.935, 209.344)

Conversions

Conversions Part 1

Format	Color
Hex	2ED4E4
RGB	46, 212, 228
RGB Percent	18%, 83%, 89%
CMY	0.8203, 0.1690, 0.1063
CMYK	0.80, 0.07, 0.00, 0.11
HSL	185°, 77%, 54%
HSV	185°, 80%, 89%
XYZ	38.6283, 53.2120, 81.5640
YIQ	164.1900, -104.0720, -30.2160

Conversions

Conversions Part 2

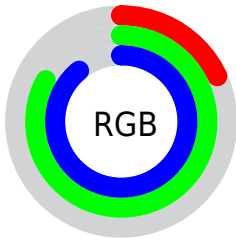
Format	Color
R _Y B	46, 133, 228
Decimal	3069156
CIE Lab	78.00, -34.81, -19.57
CIE LCh	78, 39.935, 209.344
Yxy	53.2120, 0.2228, 0.3069
Android (android.graphics.Color)	4281259236 (0xFF2ED4E4)
YUV	164.1900, 31.4583, -103.6526
Hunter-Lab	72.9466, -33.1332, -15.2316

Details

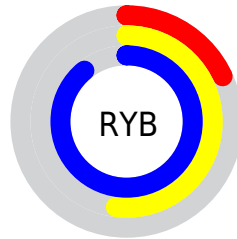
The CIELCh color **78, 39.935, 209.344** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **52, 78.463, 37.044**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **59, 33.582, 212.606** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.022, 210.535**, and if you desaturate by 10%, it is **79, 37.905, 208.436**.

Distribution



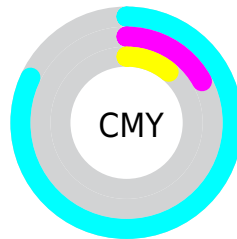
- Red (18%)
- Green (83%)
- Blue (89%)



- Red (18%)
- Yellow (52%)
- Blue (89%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (17%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 39.935, 209.344 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, 39.935, 209.344 by changing the saturation by 10% instead.

 78, 39.935,
209.344

 78, 39.935,
209.344

 100, 39.935,
209.344

 68, 39.935,
209.344

 98, 39.935,
209.344

 58, 39.935,
209.344

 48, 39.935,
209.344

 38, 39.935,
209.344

 28, 39.935,
209.344

 18, 39.935,
209.344

 8, 39.935, 209.344

0, 39.935, 209.344

78, 39.935,
209.344

78, 39.935,
209.344

77, 41.022,
210.535

79, 37.905,
208.436

76, 41.363,
211.999

80, 34.891,
207.785

76, 41.366,
212.015

81, 30.914,
207.355

83, 26.047,
207.113

85, 20.394,
207.029

86, 14.074,
207.080

■ 88, 7.210, 207.261

■ 91, 0.082, 19.883

■ 93, 7.696, 27.601

Harmonies

Complementary

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



78, 39.935, 209.344



52, 78.463, 37.044

Rectangle

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



78, 39.935, 209.344



78, 39.935, 259.344



78, 39.935, 29.344



78, 39.935, 79.344

Sweetspot

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



78, 39.934, 209.343



95, 18.330, 207.043



80, 98.259, 138.656



50, 12.426, 207.029



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, 39.934, 209.343



85, 44.944, 211.503



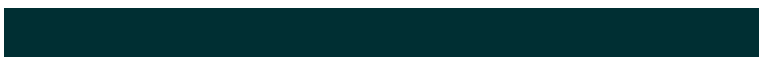
52, 62.194, 283.630



47, 4.168, 207.273



61, 34.499, 211.739



17, 14.662, 209.133

Inverse Universe

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



55, 93.576, 331.262



59, 107.343, 331.984



69, 66.296, 72.332



45, 7.821, 327.427



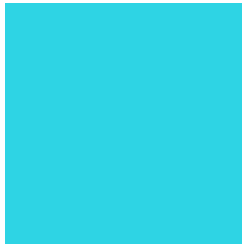
41, 82.552, 332.060



8, 35.011, 331.421

Previews

White Background



This preview shows how the CIE LCh color 78, 39.935, 209.344 looks on a white background.

Color Contrast Check

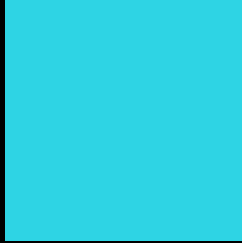
Large Text (above 18pt) WCAG AA × Fail

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, 39.935, 209.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

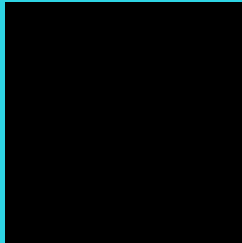
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 39.935, 209.344

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.935, 209.344.

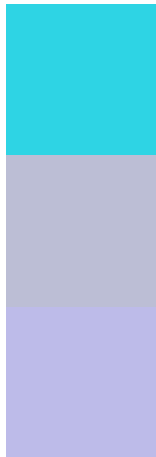


This preview shows how white text looks on a background with the CIELCh color 78, 39.935, 209.344.

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



Original Color

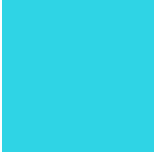
78, 39.935, 209.344

Protanopia

77, 12.352, 288.065

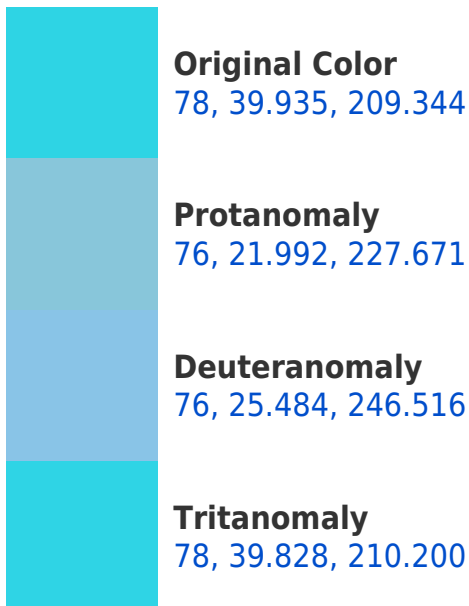
Deuteranopia

77, 24.741, 293.955



Tritanopia
78, 39.828, 210.200

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.935, 209.344 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(46, 212, 228)` looks like.

```
.text, #text, p{  
    color:rgb(46, 212, 228)  
}
```

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(46, 212, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 212, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.935, 209.344 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(46, 212, 228) }
```

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

```
.border{ border-color:rgb(46, 212, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 212, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 212, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 212, 228);  
box-shadow:4px 4px 4px 4px rgb(46, 212,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.935, 209.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 212, 228) }
```

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

```
.background{ background-color: rgb(46, 212,  
228) }
```

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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