

Converting Colors

CIELCh(78, 43.963, 196.254)

Have a look what the booklet for
CIELCh(78, 43.963, 196.254)
contains.

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Color

CIELCh(78, 43.854, 196.390)

Conversions

Conversions Part 1

Format	Color
Hex	05D6D6
RGB	5, 214, 214
RGB Percent	2%, 84%, 84%
CMY	0.9821, 0.1591, 0.1591
CMYK	0.98, 0.00, 0.00, 0.16
HSL	180°, 96%, 43%
HSV	180°, 98%, 84%
XYZ	36.4006, 53.2120, 72.2493
YIQ	151.5090, -124.5640, -44.3080

Conversions

Conversions Part 2

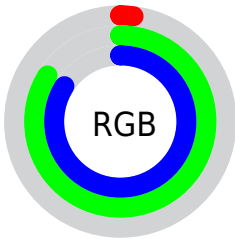
Format	Color
R_{YB}	5, 110, 214
Decimal	382678
CIE _{Lab}	78.00, -42.07, -12.37
CIE _{LCh}	78, 43.854, 196.390
Yxy	53.2120, 0.2249, 0.3287
Android (android.graphics.Color)	4278572758 (0xFF05D6D6)
YUV	151.5090, 30.8081, -128.4884
Hunter-Lab	72.9466, -38.5842, -7.6607

Details

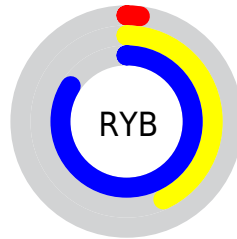
The CIELCh color **78, 43.854, 196.390** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 90.570, 39.464**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **59, 34.894, 197.350** is the 20% darker color. If you saturate the color by 10%, you get **78, 43.972, 196.381**, and if you desaturate by 10%, it is **78, 43.092, 196.439**.

Distribution



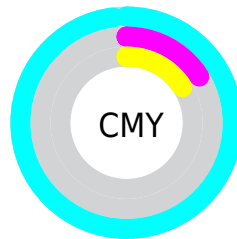
- Red (2%)
- Green (84%)
- Blue (84%)



- Red (2%)
- Yellow (43%)
- Blue (84%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (98%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 43.854, 196.390 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, 43.854, 196.390 by changing the saturation by 10% instead.


 78, 43.854,
196.390

 78, 43.854,
196.390


 100, 43.854,
196.390


 68, 43.854,
196.390


 98, 43.854,
196.390

 58, 43.854,
196.390

 48, 43.854,
196.390

 38, 43.854,
196.390

 28, 43.854,
196.390

 18, 43.854,
196.390

 8, 43.854, 196.390

■ 0, 43.854, 196.390

■ 78, 43.854,
196.390

■ 78, 43.854,
196.390

■ 78, 43.972,
196.381

■ 78, 43.092,
196.439

■ 78, 41.532,
196.541

■ 79, 39.043,
196.706

■ 79, 35.590,
196.936

■ 80, 31.195,
197.232

■ 81, 25.926,
197.594

■ 82, 19.885,
198.018

■ 83, 13.192,
198.501

■ 85, 5.970, 199.069

Harmonies

Complementary

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



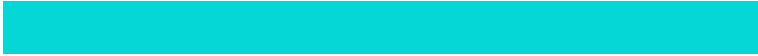
78, 43.854, 196.390



45, 90.570, 39.464

Rectangle

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



78, 43.854, 196.390



78, 43.854, 246.390



78, 43.854, 16.390



78, 43.854, 66.390

Sweetspot

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



78, 43.853, 196.389



95, 23.690, 197.954



75, 104.537, 136.030



50, 15.976, 197.768



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, 43.853, 196.389



91, 50.116, 196.381



48, 60.544, 281.931



44, 4.287, 198.971



63, 37.123, 196.381



15, 14.559, 196.382

Inverse Universe

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



45, 90.570, 39.464



53, 104.574, 39.999



57, 74.415, 59.364



42, 4.550, 19.926



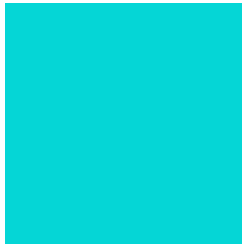
35, 77.347, 39.897



5, 22.000, 19.765

Previews

White Background



This preview shows how the CIE LCh color 78, 43.854, 196.390 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, 43.854, 196.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

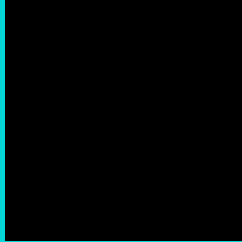
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

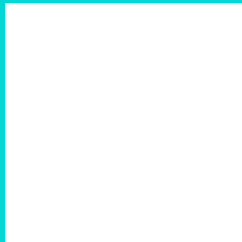
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 43.854, 196.390

Background



This preview shows how black text looks on a background with the CIELCh color 78, 43.854, 196.390.

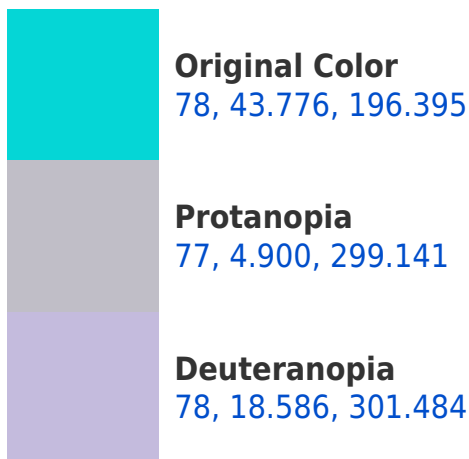


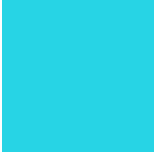
This preview shows how white text looks on a background with the CIELCh color 78, 43.854, 196.390.

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](#).

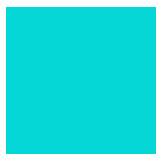
Dichromacy



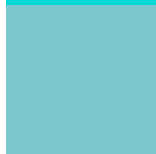


Tritanopia
78, 40.457, 209.950

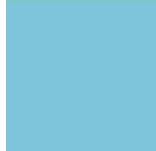
Trichromacy



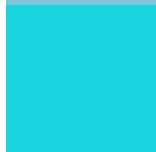
Original Color
78, 43.776, 196.395



Protanomaly
76, 24.040, 205.486

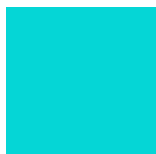


Deuteranomaly
76, 24.451, 227.262

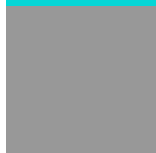


Tritanomaly
78, 41.687, 204.850

Monochromacy



Original Color
78, 43.776, 196.395



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 24.874, 197.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 43.854, 196.390 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(5, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(5, 214, 214)  
}
```

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(5, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 214, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 43.854, 196.390 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(5, 214, 214) }
```

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

```
.border{ border-color:rgb(5, 214, 214) }
```

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

Here you see how a box with a 4 pixel rgb(5, 214, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(5, 214,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 43.854, 196.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 214, 214) }
```

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

```
.background{ background-color: rgb(5, 214,  
214) }
```

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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