

Converting Colors

CIELCh(78, 46.994, 184.464)

Have a look what the booklet for
CIELCh(78, 46.994, 184.464)
contains.

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Color

CIELCh(78, 47.109, 184.215)

Conversions

Conversions Part 1

Format	Color
Hex	13D8C6
RGB	19, 216, 198
RGB Percent	7%, 85%, 78%
CMY	0.9246, 0.1538, 0.2243
CMYK	0.91, 0.00, 0.08, 0.15
HSL	175°, 84%, 46%
HSV	175°, 91%, 85%
XYZ	34.9439, 53.2120, 61.7322
YIQ	155.0450, -111.6340, -47.3620

Conversions

Conversions Part 2

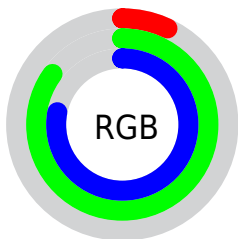
Format	Color
RYB	19, 122, 216
Decimal	1300678
CIELab	78.00, -46.98, -3.46
CIELCh	78, 47.109, 184.215
Yxy	53.2120, 0.2331, 0.3550
Android (android.graphics.Color)	4279490758 (0xFF13D8C6)
YUV	155.0450, 21.1768, -119.3115
Hunter-Lab	72.9466, -42.1488, 0.8875

Details

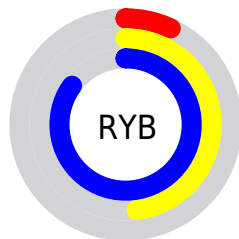
The CIELCh color **78, 47.109, 184.215** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **46, 82.646, 33.071**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **59, 38.803, 182.410** is the 20% darker color. If you saturate the color by 10%, you get **78, 48.125, 183.241**, and if you desaturate by 10%, it is **78, 45.305, 185.237**.

Distribution



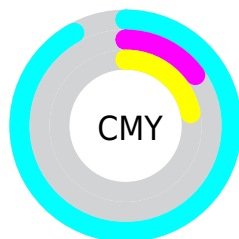
- Red (7%)
- Green (85%)
- Blue (78%)



- Red (7%)
- Yellow (48%)
- Blue (85%)



- Cyan (91%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (92%)
- Magenta (15%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 47.109, 184.215 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, 47.109, 184.215 by changing the saturation by 10% instead.


 78, 47.109,
184.215


 78, 47.109,
184.215


 100, 47.109,
184.215


 68, 47.109,
184.215


 98, 47.109,
184.215

 58, 47.109,
184.215

 48, 47.109,
184.215

 38, 47.109,
184.215

 28, 47.109,
184.215

 18, 47.109,
184.215

 8, 47.109, 184.215

■ 0, 47.109, 184.215

■ 78, 47.109,
184.215

■ 78, 47.109,
184.215

■ 78, 48.125,
183.241

■ 78, 45.305,
185.237

■ 79, 42.591,
186.181

■ 79, 38.923,
187.062

■ 80, 34.325,
187.899

■ 81, 28.871,
188.705

■ 82, 22.668,
189.493

■ 83, 15.844,
190.274

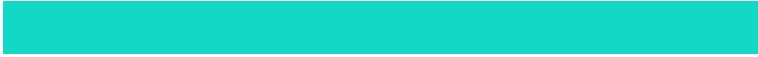
■ 84, 8.530, 191.066

■ 86, 0.851, 192.423

Harmonies

Complementary

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



78, 47.109, 184.215



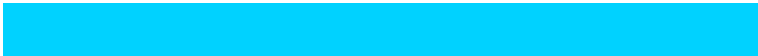
46, 82.646, 33.071

Rectangle

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



78, 47.109, 184.215



78, 47.109, 234.215



78, 47.109, 4.215



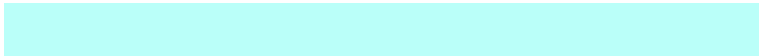
78, 47.109, 54.215

Sweetspot

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



78, 47.109, 184.214



95, 22.821, 189.792



76, 102.387, 135.627



50, 15.209, 189.523



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, 47.109, 184.214



90, 54.641, 183.127



55, 48.495, 268.471



44, 4.354, 191.204



63, 40.371, 183.431



15, 15.553, 185.632

Inverse Universe

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



46, 82.646, 33.071



53, 100.668, 37.094



55, 73.727, 54.618



42, 4.575, 12.540



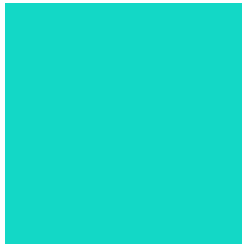
35, 73.601, 36.010



5, 21.965, 15.684

Previews

White Background



This preview shows how the CIELCh color 78, 47.109, 184.215 looks on a white background.

Color Contrast Check

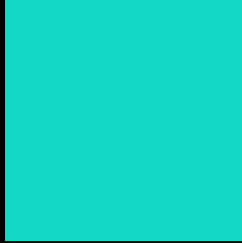
Large Text (above 18pt) WCAG AA × Fail

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, 47.109, 184.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

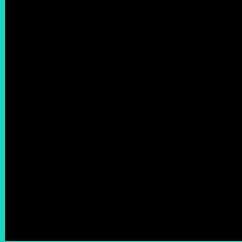
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

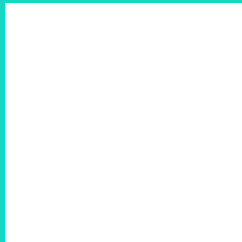
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 47.109, 184.215

Background



This preview shows how black text looks on a background with the CIELCh color 78, 47.109, 184.215.

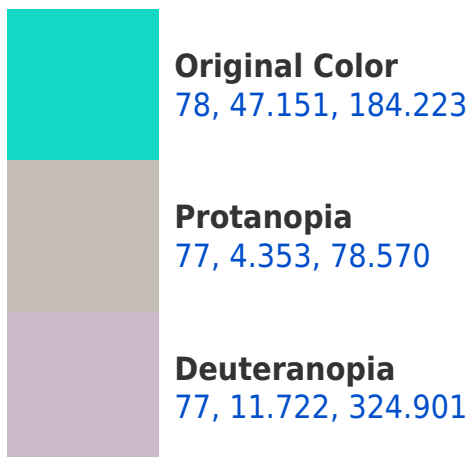


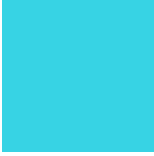
This preview shows how white text looks on a background with the CIELCh color 78, 47.109, 184.215.

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](#).

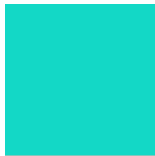
Dichromacy





Tritanopia
78, 38.908, 210.582

Trichromacy



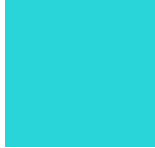
Original Color
78, 47.151, 184.223



Protanomaly
76, 23.647, 183.023



Deuteranomaly
76, 19.933, 205.799



Tritanomaly
78, 41.273, 199.591

Monochromacy



Original Color
78, 47.151, 184.223



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 24.054, 189.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 47.109, 184.215 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(19, 216, 198)` looks like.

```
.text, #text, p{  
    color:rgb(19, 216, 198)  
}
```

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(19, 216, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 216, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 47.109, 184.215 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(19, 216, 198) }
```

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

```
.border{ border-color:rgb(19, 216, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 216, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 216, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 216, 198);  
box-shadow:4px 4px 4px 4px rgb(19, 216,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 47.109, 184.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 216, 198) }
```

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

```
.background{ background-color: rgb(19, 216,  
198) }
```

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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