

Converting Colors

CIELCh(78, 49.951, 176.849)

Have a look what the booklet for
CIELCh(78, 49.951, 176.849)
contains.

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Color

CIELCh(78, 50.191, 176.508)

Conversions

Conversions Part 1

Format	Color
Hex	1DD9BA
RGB	29, 217, 186
RGB Percent	11%, 85%, 73%
CMY	0.8863, 0.1506, 0.2721
CMYK	0.87, 0.00, 0.14, 0.15
HSL	170°, 76%, 48%
HSV	170°, 87%, 85%
XYZ	34.0398, 53.2120, 54.7216
YIQ	157.2540, -102.0970, -49.4970

Conversions

Conversions Part 2

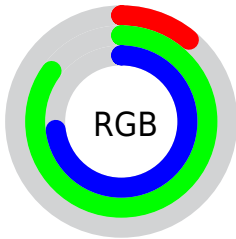
Format	Color
RYB	29, 131, 217
Decimal	1956282
CIELab	78.00, -50.10, 3.06
CIElCh	78, 50.191, 176.508
Yxy	53.2120, 0.2398, 0.3748
Android (android.graphics.Color)	4280146362 (0xFF1DD9BA)
YUV	157.2540, 14.1718, -112.4788
Hunter-Lab	72.9466, -44.3611, 6.5856

Details

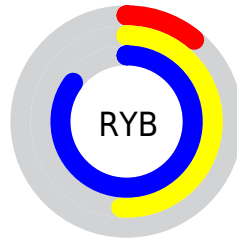
The CIELCh color **78, 50.191, 176.508** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 76.257, 25.821**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.546, 187.443**, and **59, 42.552, 173.765** is the 20% darker color. If you saturate the color by 10%, you get **78, 52.145, 174.893**, and if you desaturate by 10%, it is **78, 47.402, 177.970**.

Distribution



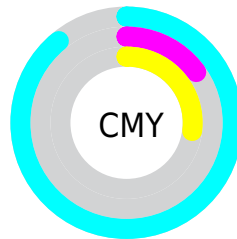
- Red (11%)
- Green (85%)
- Blue (73%)



- Red (11%)
- Yellow (51%)
- Blue (85%)



- Cyan (87%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)




- Cyan (89%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 50.191, 176.508 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, 50.191, 176.508 by changing the saturation by 10% instead.


 78, 50.191,
176.508


 78, 50.191,
176.508


 100, 50.191,
176.508


 68, 50.191,
176.508


 98, 50.191,
176.508

 58, 50.191,
176.508

 48, 50.191,
176.508

 38, 50.191,
176.508

 28, 50.191,
176.508

 18, 50.191,
176.508

 8, 50.191, 176.508

■ 0, 50.191, 176.508

■ 78, 50.191,
176.508

■ 78, 50.191,
176.508

■ 78, 52.145,
174.893

■ 78, 47.402,
177.970

■ 78, 52.713,
174.338

■ 79, 43.692,
179.292

■ 80, 39.060,
180.496

■ 80, 33.564,
181.602

■ 81, 27.307,
182.633

■ 83, 20.417,
183.607

■ 84, 13.028,
184.541

■ 85, 5.272, 185.483

■ 87, 2.732, 6.026

Harmonies

Complementary

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



78, 50.191, 176.508



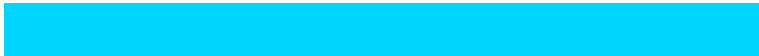
47, 76.257, 25.821

Rectangle

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



78, 50.191, 176.508



78, 50.191, 226.508



78, 50.191, 356.508



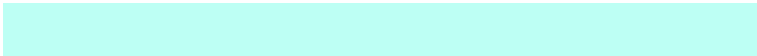
78, 50.191, 46.508

Sweetspot

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



78, 50.191, 176.507



96, 22.787, 183.642



76, 99.535, 134.850



50, 15.308, 183.308



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, 50.191, 176.507



90, 59.739, 174.169



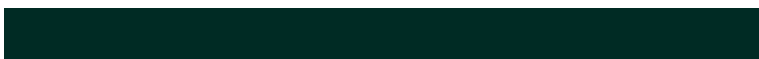
60, 42.068, 255.990



44, 4.463, 185.210



63, 44.019, 174.632



15, 16.641, 178.057

Inverse Universe

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



47, 76.257, 25.821



53, 96.153, 33.038



54, 72.788, 50.585



42, 4.650, 6.736



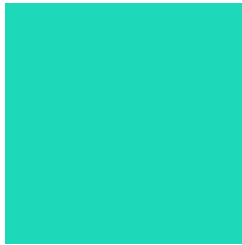
35, 70.223, 31.621



5, 22.011, 12.411

Previews

White Background



This preview shows how the CIELCh color 78, 50.191, 176.508 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, 50.191, 176.508 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

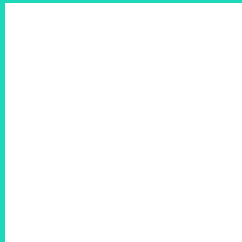
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 50.191, 176.508

Background



This preview shows how black text looks on a background with the CIELCh color 78, 50.191, 176.508.

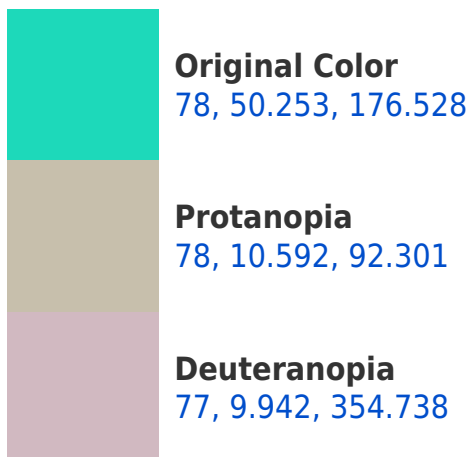


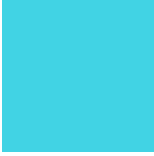
This preview shows how white text looks on a background with the CIELCh color 78, 50.191, 176.508.

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, 37.793, 211.062

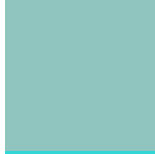
Trichromacy



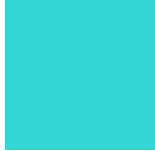
Original Color
78, 50.253, 176.528



Protanomaly
76, 25.589, 168.500



Deuteranomaly
76, 18.336, 187.799

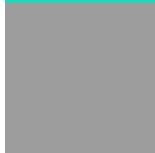


Tritanomaly
78, 40.836, 196.578

Monochromacy



Original Color
78, 50.253, 176.528



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 24.634, 181.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 50.191, 176.508 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(29, 217, 186)` looks like.

```
.text, #text, p{  
    color:rgb(29, 217, 186)  
}
```

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(29, 217, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 217, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 50.191, 176.508 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(29, 217, 186) }
```

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

```
.border{ border-color:rgb(29, 217, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 217, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 217, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 217, 186);  
box-shadow:4px 4px 4px 4px rgb(29, 217,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 50.191, 176.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 217, 186) }
```

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

```
.background{ background-color: rgb(29, 217,  
186) }
```

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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