

Converting Colors

CIELCh(78, 49.605, 175.705)

Have a look what the booklet for
CIELCh(78, 49.605, 175.705)
contains.

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Color

CIELCh(78, 49.614, 175.634)

Conversions

Conversions Part 1

Format	Color
Hex	29D8B8
RGB	41, 216, 184
RGB Percent	16%, 85%, 72%
CMY	0.8406, 0.1517, 0.2772
CMYK	0.81, 0.00, 0.15, 0.15
HSL	169°, 69%, 50%
HSV	169°, 81%, 85%
XYZ	34.2207, 53.2120, 53.9817
YIQ	160.0270, -94.0280, -47.0520

Conversions

Conversions Part 2

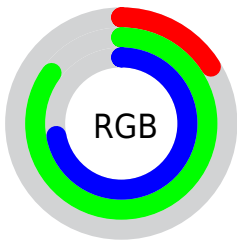
Format	Color
RYB	41, 137, 216
Decimal	2742456
CIELab	78.00, -49.47, 3.78
CIELCh	78, 49.614, 175.634
Yxy	53.2120, 0.2420, 0.3763
Android (android.graphics.Color)	4280932536 (0xFF29D8B8)
YUV	160.0270, 11.8187, -104.3867
Hunter-Lab	72.9466, -43.9186, 7.1869

Details

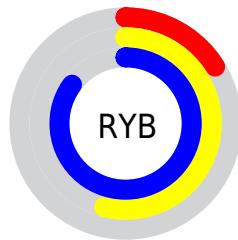
The CIELCh color **78, 49.614, 175.634** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 71.817, 21.929**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.147, 185.903**, and **59, 42.741, 172.995** is the 20% darker color. If you saturate the color by 10%, you get **78, 52.150, 174.011**, and if you desaturate by 10%, it is **78, 46.189, 177.096**.

Distribution



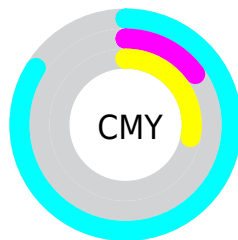
- Red (16%)
- Green (85%)
- Blue (72%)



- Red (16%)
- Yellow (54%)
- Blue (85%)



- Cyan (81%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)



- Cyan (84%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 49.614, 175.634 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, 49.614, 175.634 by changing the saturation by 10% instead.

 78, 49.614,
175.634

 78, 49.614,
175.634

 100, 49.614,
175.634

 68, 49.614,
175.634

 98, 49.614,
175.634

 58, 49.614,
175.634

 48, 49.614,
175.634

 38, 49.614,
175.634

 28, 49.614,
175.634

 18, 49.614,
175.634

 8, 49.614, 175.634

■ 0, 49.614, 175.634

■ 78, 49.614,
175.634

■ 78, 49.614,
175.634

■ 78, 52.150,
174.011

■ 78, 46.189,
177.096

■ 78, 53.816,
172.483

■ 79, 41.841,
178.417

■ 80, 36.606,
179.621

■ 81, 30.571,
180.730

■ 82, 23.857,
181.764

■ 83, 16.598,
182.742

 85, 8.929, 183.690

 86, 0.975, 185.069

 88, 7.155, 5.279

Harmonies

Complementary

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



78, 49.614, 175.634



48, 71.817, 21.929

Rectangle

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



78, 49.614, 175.634



78, 49.614, 225.634



78, 49.614, 355.634



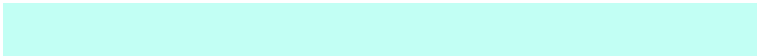
78, 49.614, 45.634

Sweetspot

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



78, 49.614, 175.633



96, 21.323, 182.452



77, 95.787, 134.636



51, 14.527, 182.101



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, 49.614, 175.633



90, 60.473, 172.837



62, 39.538, 250.727



44, 4.495, 183.862



62, 44.968, 172.793



15, 16.924, 176.437

Inverse Universe

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



48, 71.817, 21.929



54, 93.123, 30.373



55, 68.402, 49.798



42, 4.675, 5.418



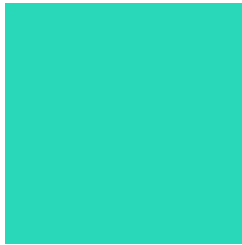
35, 69.434, 30.419



5, 22.031, 11.653

Previews

White Background



This preview shows how the CIELCh color 78, 49.614, 175.634 looks on a white background.

Color Contrast Check

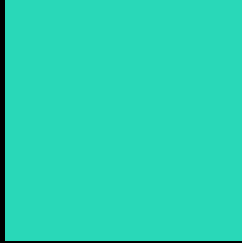
Large Text (above 18pt) WCAG AA × Fail

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, 49.614, 175.634 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

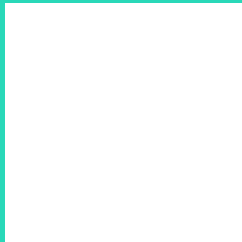
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 49.614, 175.634

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.614, 175.634.

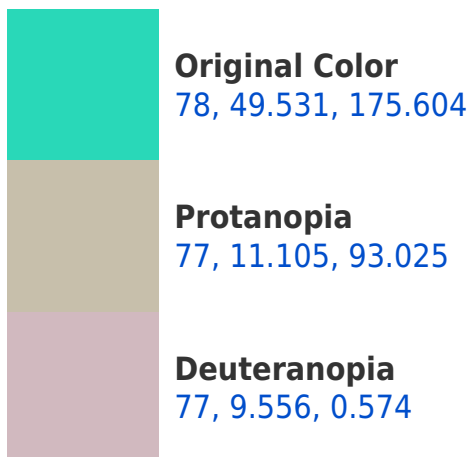


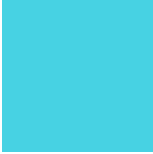
This preview shows how white text looks on a background with the CIELCh color 78, 49.614, 175.634.

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, 36.849, 211.495

Trichromacy



Original Color
78, 49.531, 175.604



Protanomaly
76, 24.803, 166.150



Deuteranomaly
76, 17.252, 185.409

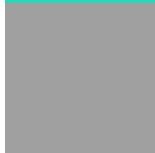


Tritanomaly
78, 39.890, 195.846

Monochromacy



Original Color
78, 49.531, 175.604



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 22.720, 182.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 49.614, 175.634 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(41, 216, 184)` looks like.

```
.text, #text, p{  
    color:rgb(41, 216, 184)  
}
```

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(41, 216, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 216, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.614, 175.634 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(41, 216, 184) }
```

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

```
.border{ border-color:rgb(41, 216, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 216, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 216, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 216, 184);  
box-shadow:4px 4px 4px 4px rgb(41, 216,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.614, 175.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 216, 184) }
```

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

```
.background{ background-color: rgb(41, 216,  
184) }
```

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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