

Converting Colors

CIELCh(78, 50.320, 173.504)

Have a look what the booklet for
CIELCh(78, 50.320, 173.504)
contains.

CIELCh(78, 50.076, 173.842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 50.076, 173.842)

Conversions

Conversions Part 1

Format	Color
Hex	2ED8B5
RGB	46, 216, 181
RGB Percent	18%, 85%, 71%
CMY	0.8211, 0.1516, 0.2889
CMYK	0.79, 0.00, 0.16, 0.15
HSL	168°, 69%, 51%
HSV	168°, 79%, 85%
XYZ	34.1293, 53.2120, 52.3666
YIQ	161.1800, -90.0850, -46.9250

Conversions

Conversions Part 2

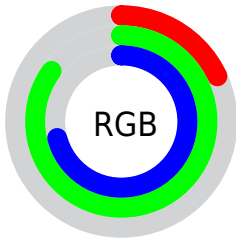
Format	Color
RYB	46, 141, 216
Decimal	3070133
CIELab	78.00, -49.79, 5.37
CIElCh	78, 50.076, 173.842
Yxy	53.2120, 0.2443, 0.3809
Android (android.graphics.Color)	4281260213 (0xFF2ED8B5)
YUV	161.1800, 9.7713, -101.0129
Hunter-Lab	72.9466, -44.1423, 8.4997

Details

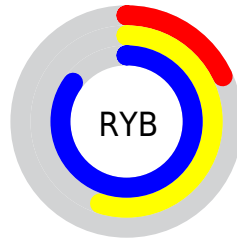
The CIELCh color **78, 50.076, 173.842** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 69.586, 19.085**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.354, 183.736**, and **59, 43.757, 171.064** is the 20% darker color. If you saturate the color by 10%, you get **78, 53.016, 172.155**, and if you desaturate by 10%, it is **78, 46.239, 175.358**.

Distribution



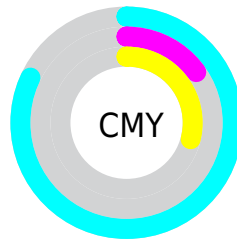
- Red (18%)
- Green (85%)
- Blue (71%)



- Red (18%)
- Yellow (55%)
- Blue (85%)



- Cyan (79%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)




- Cyan (82%)
- Magenta (15%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 50.076, 173.842 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, 50.076, 173.842 by changing the saturation by 10% instead.


 78, 50.076,
173.842


 78, 50.076,
173.842


 100, 50.076,
173.842


 68, 50.076,
173.842


 98, 50.076,
173.842

 58, 50.076,
173.842

 48, 50.076,
173.842

 38, 50.076,
173.842

 28, 50.076,
173.842

 18, 50.076,
173.842

 8, 50.076, 173.842

0, 50.076, 173.842

78, 50.076,
173.842

78, 50.076,
173.842

78, 53.016,
172.155

78, 46.239,
175.358

77, 55.204,
170.316

79, 41.491,
176.726

77, 55.428,
170.117

80, 35.885,
177.969

81, 29.522,
179.109

82, 22.527,
180.169

83, 15.039,
181.168

■ 85, 7.192, 182.140

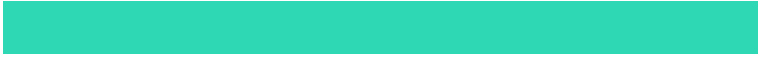
■ 87, 0.894, 2.351

■ 89, 9.114, 3.746

Harmonies

Complementary

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



78, 50.076, 173.842



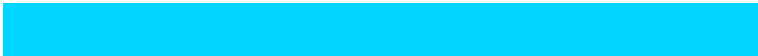
48, 69.586, 19.085

Rectangle

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



78, 50.076, 173.842



78, 50.076, 223.842



78, 50.076, 353.842



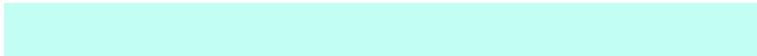
78, 50.076, 43.842

Sweetspot

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



78, 50.076, 173.841



96, 21.591, 180.643



77, 93.427, 134.062



51, 14.718, 180.280



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, 50.076, 173.841



90, 61.795, 170.877



65, 37.651, 243.975



44, 4.541, 182.090



62, 46.286, 170.447



15, 17.318, 174.351

Inverse Universe

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



48, 69.586, 19.085



54, 90.551, 27.563



55, 67.257, 47.524



42, 4.711, 3.678



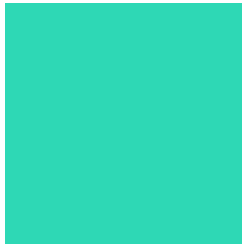
36, 68.408, 28.718



5, 22.063, 10.642

Previews

White Background



This preview shows how the CIE LCh color 78, 50.076, 173.842 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, 50.076, 173.842 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

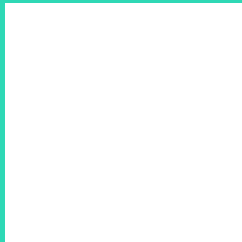
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 50.076, 173.842

Background



This preview shows how black text looks on a background with the CIELCh color 78, 50.076, 173.842.

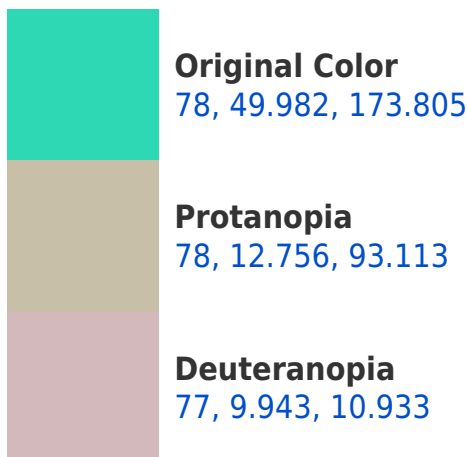


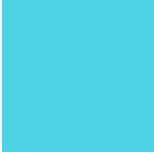
This preview shows how white text looks on a background with the CIELCh color 78, 50.076, 173.842.

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, 36.299, 211.752

Trichromacy



Original Color
78, 49.982, 173.805



Protanomaly
76, 24.990, 162.040



Deuteranomaly
76, 16.891, 179.463

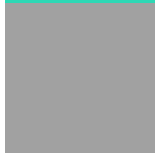


Tritanomaly
78, 39.524, 195.072

Monochromacy



Original Color
78, 49.982, 173.805



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 22.870, 179.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 50.076, 173.842 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, 216, 181)` looks like.

```
.text, #text, p{  
    color:rgb(46, 216, 181)  
}
```

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, 216, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 216, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 50.076, 173.842 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, 216, 181) }
```

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

```
.border{ border-color:rgb(46, 216, 181) }
```

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

Here you see how a box with a 4 pixel rgb(46, 216, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 216, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 216, 181);  
box-shadow:4px 4px 4px 4px rgb(46, 216,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 50.076, 173.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 216, 181) }
```

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

```
.background{ background-color: rgb(46, 216,  
181) }
```

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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