

Converting Colors

CIELCh(79, 46.921, 173.570)

Have a look what the booklet for
CIELCh(79, 46.921, 173.570)
contains.

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Color

CIELCh(79, 47.000, 173.328)

Conversions

Conversions Part 1

Format	Color
Hex	47DAB8
RGB	71, 218, 184
RGB Percent	28%, 85%, 72%
CMY	0.7217, 0.1452, 0.2785
CMYK	0.67, 0.00, 0.16, 0.15
HSL	166°, 67%, 57%
HSV	166°, 67%, 85%
XYZ	36.3107, 54.9284, 54.0231
YIQ	170.1710, -76.6980, -41.7380

Conversions

Conversions Part 2

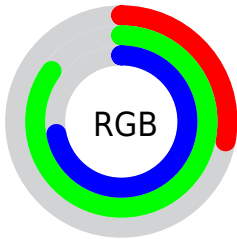
Format	Color
RYB	71, 154, 218
Decimal	4709048
CIELab	79.00, -46.68, 5.46
CIELCh	79, 47.000, 173.328
Yxy	54.9284, 0.2500, 0.3781
Android (android.graphics.Color)	4282899128 (0xFF47DAB8)
YUV	170.1710, 6.8177, -86.9730
Hunter-Lab	74.1137, -42.2461, 8.6618

Details

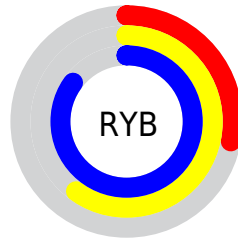
The CIELCh color **79, 47.000, 173.328** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 60.927, 12.610**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.325, 185.021**, and **59, 43.693, 171.924** is the 20% darker color. If you saturate the color by 10%, you get **78, 51.228, 171.748**, and if you desaturate by 10%, it is **80, 41.871, 174.747**.

Distribution



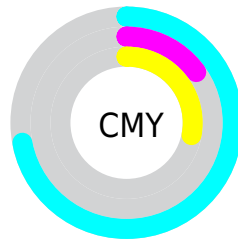
- Red (28%)
- Green (85%)
- Blue (72%)



- Red (28%)
- Yellow (60%)
- Blue (85%)



- Cyan (67%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)




- Cyan (72%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 47.000, 173.328 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 79, 47.000, 173.328 by changing the saturation by 10% instead.

 79, 47.000,
173.328

 79, 47.000,
173.328

 100, 47.000,
173.328


 69, 47.000,
173.328

 99, 47.000,
173.328

 59, 47.000,
173.328

 49, 47.000,
173.328

 39, 47.000,
173.328

 29, 47.000,
173.328

 19, 47.000,
173.328

 9, 47.000, 173.328

0, 47.000, 173.328

79, 47.000,
173.328

79, 47.000,
173.328

78, 51.228,
171.748

80, 41.871,
174.747

78, 54.555,
169.990

81, 35.906,
176.033

78, 57.079,
168.056

82, 29.214,
177.207

78, 57.670,
167.559

83, 21.928,
178.293

84, 14.188,
179.313

86, 6.128, 180.309

■ 88, 2.132, 0.868

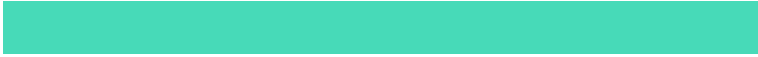
■ 89, 10.492, 1.922

■ 90, 14.666,
356.865

Harmonies

Complementary

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



79, 47.000, 173.328



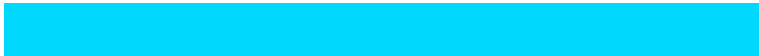
52, 60.927, 12.610

Rectangle

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



79, 47.000, 173.328



79, 47.000, 223.328



79, 47.000, 353.328



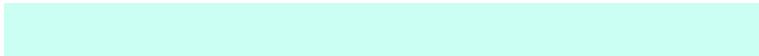
79, 47.000, 43.328

Sweetspot

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



79, 47.000, 173.327



96, 18.399, 179.039



78, 83.580, 134.054



51, 12.491, 178.752



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 47.000, 173.327



90, 59.392, 171.018



68, 34.219, 237.215



45, 4.689, 180.106



63, 48.397, 167.894



16, 18.478, 171.807

Inverse Universe

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



52, 60.927, 12.610



56, 80.254, 18.228



59, 56.559, 46.122



43, 4.852, 1.726



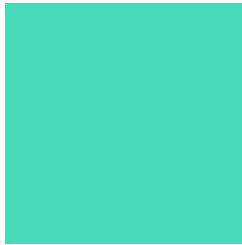
36, 68.073, 26.725



5, 23.773, 10.267

Previews

White Background



This preview shows how the CIELCh color 79, 47.000, 173.328 looks on a white background.

Color Contrast Check

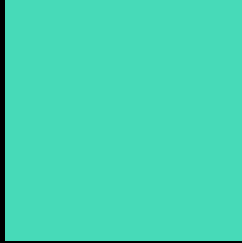
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 79, 47.000, 173.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

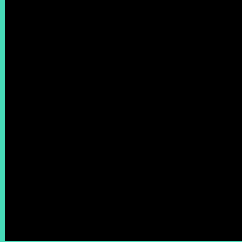
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

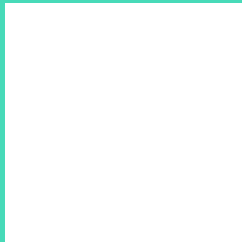
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 47.000, 173.328

Background



This preview shows how black text looks on a background with the CIELCh color 79, 47.000, 173.328.

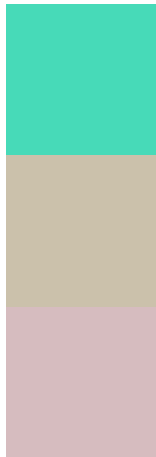


This preview shows how white text looks on a background with the CIELCh color 79, 47.000, 173.328.

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](#).

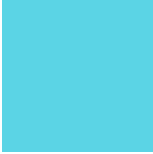
Dichromacy



Original Color
79, 47.000, 173.328

Protanopia
78, 12.335, 90.787

Deuteranopia
78, 9.912, 10.917



Tritanopia
79, 34.190, 212.792

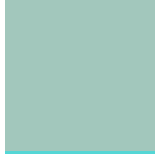
Trichromacy



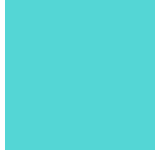
Original Color
79, 47.000, 173.328



Protanomaly
77, 22.177, 158.905



Deuteranomaly
77, 14.591, 174.421

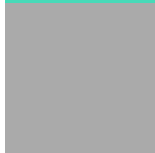


Tritanomaly
79, 36.748, 196.010

Monochromacy



Original Color
79, 47.000, 173.328



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 19.909, 178.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 47.000, 173.328 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(71, 218, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 218, 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(71, 218, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 218, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 47.000, 173.328 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(71, 218, 184) }
```

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

```
.border{ border-color:rgb(71, 218, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 218, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 218, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 218, 184);  
box-shadow:4px 4px 4px 4px rgb(71, 218,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 47.000, 173.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 218, 184) }
```

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

```
.background{ background-color: rgb(71, 218,  
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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