

Converting Colors

CIELCh(79, 46.683, 174.476)

Have a look what the booklet for
CIELCh(79, 46.683, 174.476)
contains.

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Color

CIELCh(79, 46.692, 174.595)

Conversions

Conversions Part 1

Format	Color
Hex	45DABA
RGB	69, 218, 186
RGB Percent	27%, 85%, 73%
CMY	0.7296, 0.1452, 0.2707
CMYK	0.68, 0.00, 0.15, 0.15
HSL	167°, 67%, 56%
HSV	167°, 68%, 85%
XYZ	36.3699, 54.9284, 55.1180
YIQ	169.8010, -78.5320, -41.5400

Conversions

Conversions Part 2

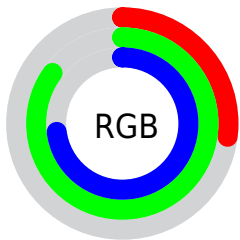
Format	Color
RYB	69, 152, 218
Decimal	4577978
CIELab	79.00, -46.48, 4.40
CIElCh	79, 46.692, 174.595
Yxy	54.9284, 0.2484, 0.3752
Android (android.graphics.Color)	4282768058 (0xFF45DABA)
YUV	169.8010, 7.9861, -88.4025
Hunter-Lab	74.1137, -42.1034, 7.7859

Details

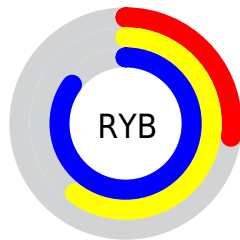
The CIELCh color **79, 46.692, 174.595** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 61.808, 14.230**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.176, 186.614**, and **59, 43.023, 173.213** is the 20% darker color. If you saturate the color by 10%, you get **79, 50.686, 173.051**, and if you desaturate by 10%, it is **80, 41.788, 175.984**.

Distribution



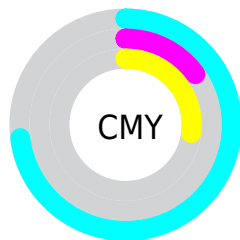
- Red (27%)
- Green (85%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)





- Cyan (73%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 46.692, 174.595 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, 46.692, 174.595 by changing the saturation by 10% instead.


 79, 46.692,
174.595

 79, 46.692,
174.595


 100, 46.692,
174.595


 69, 46.692,
174.595

 99, 46.692,
174.595

 59, 46.692,
174.595

 49, 46.692,
174.595

 39, 46.692,
174.595

 29, 46.692,
174.595

 19, 46.692,
174.595

 9, 46.692, 174.595

■ 0, 46.692, 174.595

■ 79, 46.692,
174.595

■ 79, 46.692,
174.595

■ 79, 50.686,
173.051

■ 80, 41.788,
175.984

■ 78, 53.777,
171.335

■ 80, 36.030,
177.244

■ 78, 56.091,
169.457

■ 82, 29.522,
178.399

■ 78, 56.443,
169.151

■ 83, 22.393,
179.470

■ 84, 14.784,
180.478

■ 86, 6.829, 181.460

■ 87, 1.352, 1.875

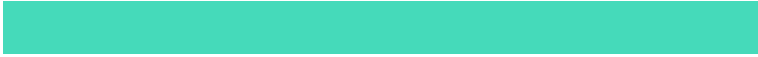
■ 89, 9.654, 3.071

■ 90, 14.448,
359.243

Harmonies

Complementary

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



79, 46.692, 174.595



52, 61.808, 14.230

Rectangle

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



79, 46.692, 174.595



79, 46.692, 224.595



79, 46.692, 354.595



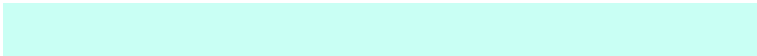
79, 46.692, 44.595

Sweetspot

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



79, 46.692, 174.594



96, 19.106, 180.199



78, 84.858, 134.392



51, 12.863, 179.919



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, 46.692, 174.594



90, 58.701, 172.325



67, 34.789, 240.297



45, 4.651, 181.353



63, 47.386, 169.475



16, 18.162, 173.243

Inverse Universe

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



52, 61.808, 14.230



56, 81.454, 20.046



59, 57.056, 47.457



43, 4.821, 2.957



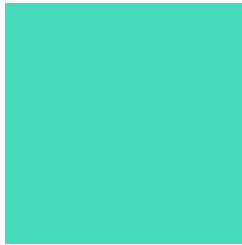
36, 68.778, 28.042



5, 23.756, 10.987

Previews

White Background



This preview shows how the CIELCh color 79, 46.692, 174.595 looks on a white background.

Color Contrast Check

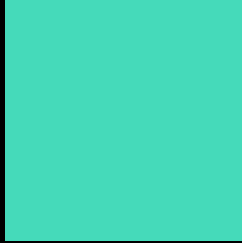
Large Text (above 18pt) WCAG AA × Fail

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 79, 46.692, 174.595 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

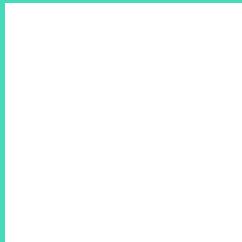
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 46.692, 174.595

Background



This preview shows how black text looks on a background with the CIELCh color 79, 46.692, 174.595.

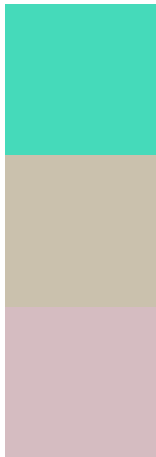


This preview shows how white text looks on a background with the CIELCh color 79, 46.692, 174.595.

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](#).

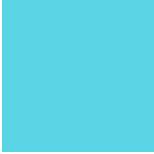
Dichromacy



Original Color
79, 46.692, 174.595

Protanopia
78, 11.197, 91.131

Deuteranopia
78, 9.740, 4.315



Tritanopia
79, 34.526, 212.616

Trichromacy



Original Color
79, 46.692, 174.595



Protanomaly
77, 21.737, 161.537



Deuteranomaly
77, 14.437, 178.742

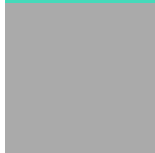


Tritanomaly
79, 37.086, 195.995

Monochromacy



Original Color
79, 46.692, 174.595



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 19.984, 180.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 46.692, 174.595 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(69, 218, 186)` looks like.

```
.text, #text, p{  
    color:rgb(69, 218, 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(69, 218, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 218, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 46.692, 174.595 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(69, 218, 186) }
```

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

```
.border{ border-color:rgb(69, 218, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 218, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 218, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 218, 186);  
box-shadow:4px 4px 4px 4px rgb(69, 218,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 46.692, 174.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 218, 186) }
```

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

```
.background{ background-color: rgb(69, 218,  
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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