

Converting Colors

CIELCh(79, 45.675, 178.563)

Have a look what the booklet for
CIELCh(79, 45.675, 178.563)
contains.

CIELCh(79, 45.810, 178.464)	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(79, 45.810, 178.464)

Conversions

Conversions Part 1

Format	Color
Hex	3FDAC0
RGB	63, 218, 192
RGB Percent	25%, 85%, 75%
CMY	0.7536, 0.1456, 0.2475
CMYK	0.71, 0.00, 0.12, 0.15
HSL	170°, 68%, 55%
HSV	170°, 71%, 85%
XYZ	36.5780, 54.9284, 58.4726
YIQ	168.6910, -84.0340, -40.9460

Conversions

Conversions Part 2

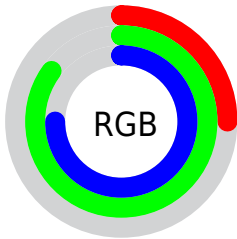
Format	Color
RYB	63, 148, 218
Decimal	4184768
CIELab	79.00, -45.79, 1.23
CIELCh	79, 45.810, 178.464
Yxy	54.9284, 0.2439, 0.3662
Android (android.graphics.Color)	4282374848 (0xFF3FDAC0)
YUV	168.6910, 11.4913, -92.6910
Hunter-Lab	74.1137, -41.6023, 5.1022

Details

The CIELCh color **79, 45.810, 178.464** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 64.771, 18.922**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.083, 191.474**, and **60, 41.114, 177.312** is the 20% darker color. If you saturate the color by 10%, you get **79, 49.132, 177.066**, and if you desaturate by 10%, it is **80, 41.554, 179.729**.

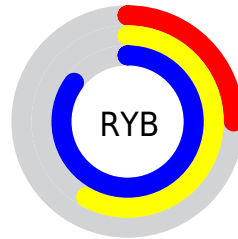
Distribution



Red (25%)

Green (85%)

Blue (75%)



Red (25%)

Yellow (58%)

Blue (85%)

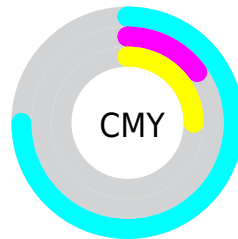


Cyan (71%)

Magenta (0%)

Yellow (12%)

Black (15%)



Cyan (75%)


Magenta (15%)


Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 45.810, 178.464 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, 45.810, 178.464 by changing the saturation by 10% instead.

 79, 45.810,
178.464

 79, 45.810,
178.464

 100, 45.810,
178.464

 69, 45.810,
178.464


 99, 45.810,
178.464

 59, 45.810,
178.464

 49, 45.810,
178.464

 39, 45.810,
178.464

 29, 45.810,
178.464

 19, 45.810,
178.464

 9, 45.810, 178.464

■ 0, 45.810, 178.464

■ 79, 45.810,
178.464

■ 79, 45.810,
178.464

■ 79, 49.132,
177.066

■ 80, 41.554,
179.729

■ 78, 51.554,
175.519

■ 80, 36.398,
180.886

■ 78, 53.119,
174.051

■ 81, 30.428,
181.956

■ 82, 23.763,
182.960

■ 84, 16.538,
183.914

■ 85, 8.886, 184.843

■ 87, 0.935, 186.239

■ 89, 7.205, 6.406

■ 90, 14.025, 5.754

Harmonies

Complementary

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



79, 45.810, 178.464



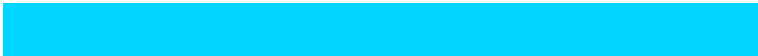
51, 64.771, 18.922

Rectangle

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



79, 45.810, 178.464



79, 45.810, 228.464



79, 45.810, 358.464



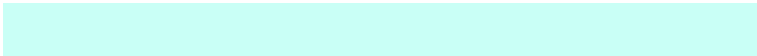
79, 45.810, 48.464

Sweetspot

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



79, 45.810, 178.463



96, 18.643, 183.911



78, 88.216, 134.968



51, 12.540, 183.650



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, 45.810, 178.463



90, 56.701, 176.375



65, 36.555, 246.778



45, 4.555, 185.006



63, 44.655, 174.334



16, 17.312, 177.593

Inverse Universe

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



51, 64.771, 18.922



55, 85.497, 25.220



59, 59.006, 50.113



43, 4.745, 6.542



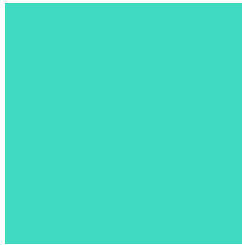
36, 70.921, 31.511



5, 23.726, 13.021

Previews

White Background



This preview shows how the CIELCh color 79, 45.810, 178.464 looks on a white background.

Color Contrast Check

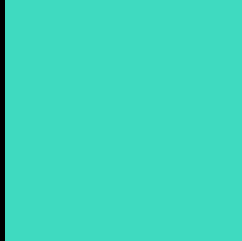
Large Text (above 18pt) WCAG AA × Fail

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, 45.810, 178.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

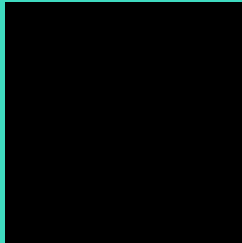
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

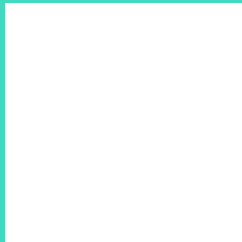
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 45.810, 178.464

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.810, 178.464.

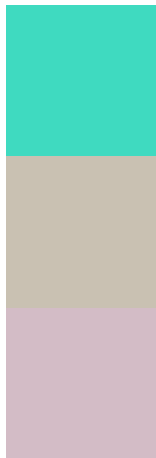


This preview shows how white text looks on a background with the CIELCh color 79, 45.810, 178.464.

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, 45.810, 178.464

Protanopia

78, 8.544, 88.493

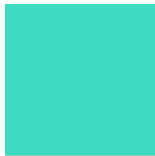
Deuteranopia

78, 10.077, 348.250

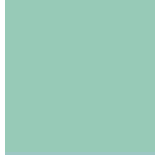


Tritanopia
79, 35.509, 213.041

Trichromacy



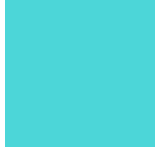
Original Color
79, 45.810, 178.464



Protanomaly
77, 20.959, 168.721



Deuteranomaly
77, 14.754, 192.020

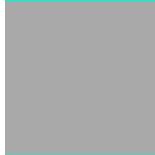


Tritanomaly
79, 37.692, 198.453

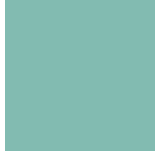
Monochromacy



Original Color
79, 45.810, 178.464



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 20.672, 182.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.810, 178.464 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(63, 218, 192)` looks like.

```
.text, #text, p{  
    color:rgb(63, 218, 192)  
}
```

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(63, 218, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 218, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.810, 178.464 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(63, 218, 192) }
```

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

```
.border{ border-color:rgb(63, 218, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 218, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 218, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 218, 192);  
box-shadow:4px 4px 4px 4px rgb(63, 218,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.810, 178.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 218, 192) }
```

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

```
.background{ background-color: rgb(63, 218,  
192) }
```

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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