

Converting Colors

CIELCh(79, 39.758, 196.983)

Have a look what the booklet for
CIELCh(79, 39.758, 196.983)
contains.

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Color

CIELCh(79, 39.856, 196.670)

Conversions

Conversions Part 1

Format	Color
Hex	40D8D8
RGB	64, 216, 216
RGB Percent	25%, 85%, 85%
CMY	0.7475, 0.1546, 0.1546
CMYK	0.70, 0.00, 0.00, 0.15
HSL	180°, 66%, 55%
HSV	180°, 70%, 85%
XYZ	38.9233, 54.9284, 73.2263
YIQ	170.5520, -90.5920, -32.2240

Conversions

Conversions Part 2

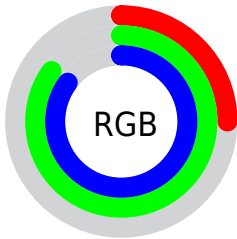
Format	Color
RYB	64, 140, 216
Decimal	4249816
CIELab	79.00, -38.18, -11.43
CIELCh	79, 39.856, 196.670
Yxy	54.9284, 0.2330, 0.3288
Android (android.graphics.Color)	4282439896 (0xFF40D8D8)
YUV	170.5520, 22.4059, -93.4461
Hunter-Lab	74.1137, -35.9537, -6.7005

Details

The CIELCh color **79, 39.856, 196.670** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **50, 68.049, 30.548**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **60, 35.532, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **79, 42.136, 196.520**, and if you desaturate by 10%, it is **80, 36.609, 196.883**.

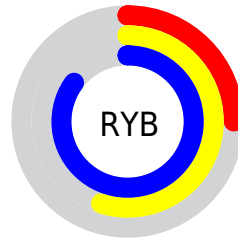
Distribution



Red (25%)

Green (85%)

Blue (85%)



Red (25%)

Yellow (55%)

Blue (85%)

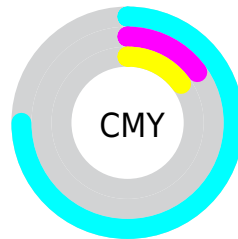


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (15%)



Cyan (75%)


Magenta (15%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 39.856, 196.670 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, 39.856, 196.670 by changing the saturation by 10% instead.


 79, 39.856,
196.670

 79, 39.856,
196.670


 100, 39.856,
196.670


 69, 39.856,
196.670


 99, 39.856,
196.670

 59, 39.856,
196.670

 49, 39.856,
196.670

 39, 39.856,
196.670

 29, 39.856,
196.670

 19, 39.856,
196.670

 9, 39.856, 196.670

■ 0, 39.856, 196.670

■ 79, 39.856,
196.670

■ 79, 39.856,
196.670

■ 79, 42.136,
196.520

■ 80, 36.609,
196.883

■ 78, 43.501,
196.431

■ 80, 32.407,
197.164

■ 78, 44.147,
196.389

■ 81, 27.307,
197.511

■ 82, 21.407,
197.921

■ 83, 14.822,
198.391

■ 85, 7.679, 198.932

■ 86, 0.101, 205.160

■ 88, 7.800, 19.900

■ 89, 14.631, 20.438

Harmonies

Complementary

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



79, 39.856, 196.670



50, 68.049, 30.548

Rectangle

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



79, 39.856, 196.670



79, 39.856, 246.670



79, 39.856, 16.670



79, 39.856, 66.670

Sweetspot

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



79, 39.856, 196.669



97, 17.657, 198.338



76, 90.097, 138.078



51, 11.838, 198.202



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, 39.856, 196.669



91, 48.677, 196.471



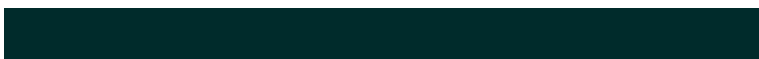
57, 45.506, 271.632



44, 4.287, 198.975



63, 37.122, 196.389



15, 14.558, 196.389

Inverse Universe

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



55, 88.489, 327.778



62, 110.949, 328.096



65, 55.427, 66.434



42, 7.847, 324.937



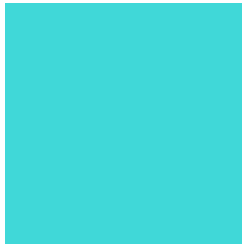
41, 85.604, 328.233



6, 32.951, 328.043

Previews

White Background



This preview shows how the CIELCh color 79, 39.856, 196.670 looks on a white background.

Color Contrast Check

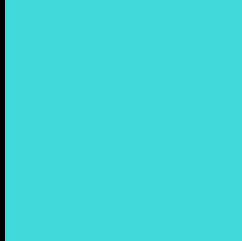
Large Text (above 18pt) WCAG AA × Fail

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, 39.856, 196.670 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

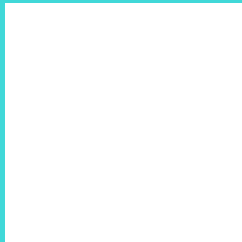
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 39.856, 196.670

Background



This preview shows how black text looks on a background with the CIELCh color 79, 39.856, 196.670.

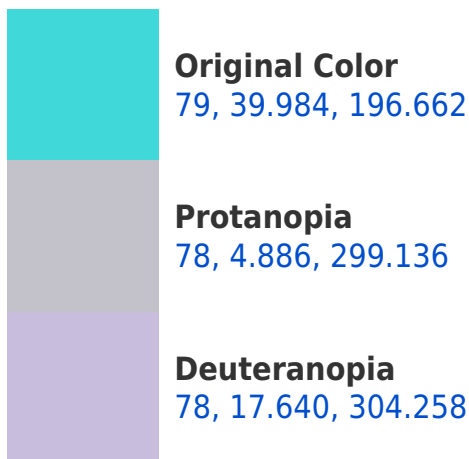


This preview shows how white text looks on a background with the CIELCh color 79, 39.856, 196.670.

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
79, 37.134, 212.223

Trichromacy



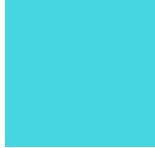
Original Color
79, 39.984, 196.662



Protanomaly
78, 17.881, 208.596



Deuteranomaly
78, 18.618, 233.872

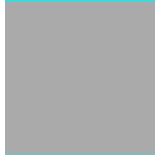


Tritanomaly
79, 37.849, 205.927

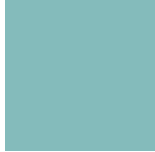
Monochromacy



Original Color
79, 39.984, 196.662



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 18.686, 197.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 39.856, 196.670 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(64, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(64, 216, 216)  
}
```

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(64, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 216, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 39.856, 196.670 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(64, 216, 216) }
```

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

```
.border{ border-color:rgb(64, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(64, 216,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 39.856, 196.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 216, 216) }
```

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

```
.background{ background-color: rgb(64, 216,  
216) }
```

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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