

Converting Colors

CIELCh(79, 38.635, 196.703)

Have a look what the booklet for
CIELCh(79, 38.635, 196.703)
contains.

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Color

CIELCh(79, 38.567, 196.746)

Conversions

Conversions Part 1

Format	Color
Hex	49D7D7
RGB	73, 215, 215
RGB Percent	29%, 84%, 84%
CMY	0.7136, 0.1568, 0.1568
CMYK	0.66, 0.00, 0.00, 0.16
HSL	180°, 64%, 56%
HSV	180°, 66%, 84%
XYZ	39.3176, 54.9284, 72.8249
YIQ	172.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

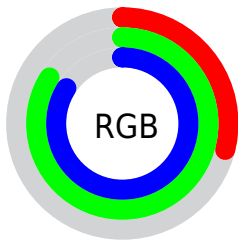
Format	Color
RYB	73, 144, 215
Decimal	4839383
CIELab	79.00, -36.93, -11.11
CIElCh	79, 38.567, 196.746
Yxy	54.9284, 0.2353, 0.3288
Android (android.graphics.Color)	4283029463 (0xFF49D7D7)
YUV	172.5420, 20.9318, -87.2983
Hunter-Lab	74.1137, -35.0041, -6.3794

Details

The CIELCh color **79, 38.567, 196.746** 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 **51, 63.623, 29.246**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **60, 35.369, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.235, 196.569**, and if you desaturate by 10%, it is **80, 34.931, 196.987**.

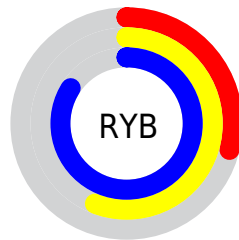
Distribution



Red (29%)

Green (84%)

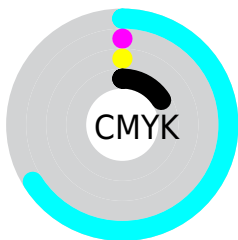
Blue (84%)



Red (29%)

Yellow (56%)

Blue (84%)

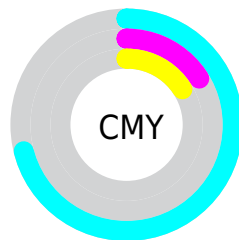


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (16%)



Cyan (71%)

Magenta (16%)

Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 38.567, 196.746 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, 38.567, 196.746 by changing the saturation by 10% instead.


 79, 38.567,
196.746

 79, 38.567,
196.746

 100, 38.567,
196.746

 69, 38.567,
196.746

 99, 38.567,
196.746

 59, 38.567,
196.746

 49, 38.567,
196.746

 39, 38.567,
196.746

 29, 38.567,
196.746

 19, 38.567,
196.746

 9, 38.567, 196.746

0, 38.567, 196.746

79, 38.567,
196.746

79, 38.567,
196.746

79, 41.235,
196.569

80, 34.931,
196.987

78, 42.962,
196.456

80, 30.361,
197.295

78, 43.842,
196.398

81, 24.931,
197.668

78, 44.062,
196.384

82, 18.748,
198.103

84, 11.934,
198.598

85, 4.614, 199.198

■ 87, 3.093, 19.441

■ 88, 11.080, 20.162

■ 89, 14.853, 20.454

Harmonies

Complementary

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



79, 38.567, 196.746



51, 63.623, 29.246

Rectangle

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



79, 38.567, 196.746



79, 38.567, 246.746



79, 38.567, 16.746



79, 38.567, 66.746

Sweetspot

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



79, 38.567, 196.745



97, 16.872, 198.385



76, 85.753, 138.283



51, 11.403, 198.245



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, 38.567, 196.745



91, 47.754, 196.520



59, 41.853, 268.221



44, 4.287, 198.972



63, 37.123, 196.384



15, 14.559, 196.384

Inverse Universe

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



51, 63.623, 29.246



56, 88.168, 33.904



65, 51.769, 65.448



42, 4.550, 19.928



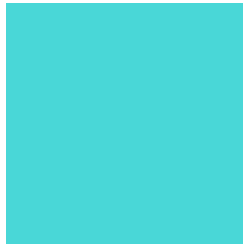
35, 77.348, 39.898



5, 22.000, 19.766

Previews

White Background



This preview shows how the CIELCh color 79, 38.567, 196.746 looks on a white background.

Color Contrast Check

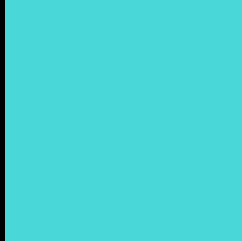
Large Text (above 18pt) WCAG AA × Fail

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, 38.567, 196.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

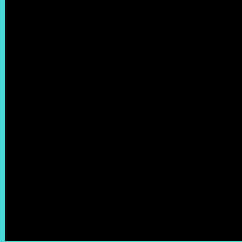
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

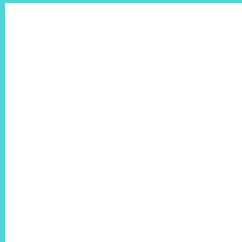
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 38.567, 196.746

Background



This preview shows how black text looks on a background with the CIELCh color 79, 38.567, 196.746.

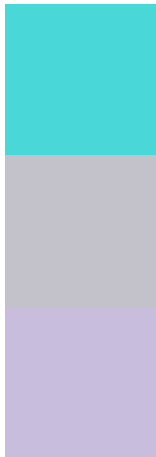


This preview shows how white text looks on a background with the CIELCh color 79, 38.567, 196.746.

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

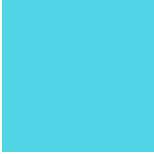
79, 38.567, 196.746

Protanopia

78, 4.886, 299.136

Deuteranopia

78, 17.640, 304.258



Tritanopia
79, 35.985, 211.882

Trichromacy



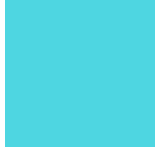
Original Color
79, 38.567, 196.746



Protanomaly
78, 16.989, 209.211



Deuteranomaly
78, 17.951, 237.683

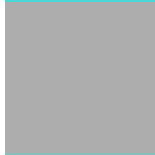


Tritanomaly
79, 36.714, 206.280

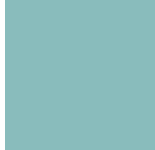
Monochromacy



Original Color
79, 38.567, 196.746



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 17.458, 198.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 38.567, 196.746 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(73, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(73, 215, 215)  
}
```

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(73, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 215, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 38.567, 196.746 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(73, 215, 215) }
```

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

```
.border{ border-color:rgb(73, 215, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 215, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 215, 215);  
box-shadow:4px 4px 4px 4px rgb(73, 215,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 38.567, 196.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 215, 215) }
```

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

```
.background{ background-color: rgb(73, 215,  
215) }
```

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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