

Converting Colors

CIELCh(79, 45.360, 186.709)

Have a look what the booklet for
CIELCh(79, 45.360, 186.709)
contains.

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Color

CIELCh(79, 45.358, 186.689)

Conversions

Conversions Part 1

Format	Color
Hex	27DACC
RGB	39, 218, 204
RGB Percent	15%, 85%, 80%
CMY	0.8471, 0.1451, 0.2000
CMYK	0.82, 0.00, 0.06, 0.15
HSL	175°, 71%, 50%
HSV	175°, 82%, 85%
XYZ	36.8030, 54.9284, 65.7838
YIQ	162.8830, -102.1900, -42.3020

Conversions

Conversions Part 2

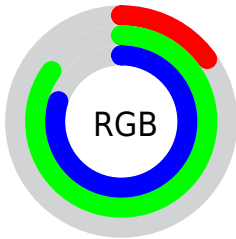
Format	Color
R_{YB}	39, 132, 218
Decimal	2611916
CIE Lab	79.00, -45.05, -5.28
CIE LCh	79, 45.358, 186.689
Yxy	54.9284, 0.2336, 0.3487
Android (android.graphics.Color)	4280801996 (0xFF27DACC)
YUV	162.8830, 20.2707, -108.6454
Hunter-Lab	74.1137, -41.0603, -0.7466

Details

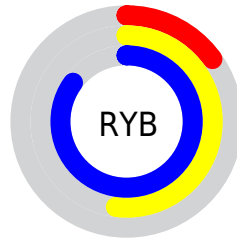
The CIELCh color **79, 45.358, 186.689** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 76.915, 29.976**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **60, 38.090, 185.777** is the 20% darker color. If you saturate the color by 10%, you get **79, 46.989, 185.771**, and if you desaturate by 10%, it is **79, 42.815, 187.539**.

Distribution



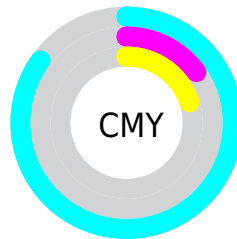
- Red (15%)
- Green (85%)
- Blue (80%)



- Red (15%)
- Yellow (52%)
- Blue (85%)



- Cyan (82%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (85%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 45.358, 186.689 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, 45.358, 186.689 by changing the saturation by 10% instead.


 79, 45.358,
186.689

 79, 45.358,
186.689


 100, 45.358,
186.689


 69, 45.358,
186.689


 99, 45.358,
186.689

 59, 45.358,
186.689

 49, 45.358,
186.689

 39, 45.358,
186.689

 29, 45.358,
186.689

 19, 45.358,
186.689

 9, 45.358, 186.689

■ 0, 45.358, 186.689

■ 79, 45.358,
186.689

■ 79, 45.358,
186.689

■ 79, 46.989,
185.771

■ 79, 42.815,
187.539

■ 79, 47.795,
185.008

■ 80, 39.308,
188.342

■ 81, 34.852,
189.112

■ 81, 29.514,
189.863

■ 82, 23.398,
190.604

■ 84, 16.630,
191.346

■ 85, 9.342, 192.103

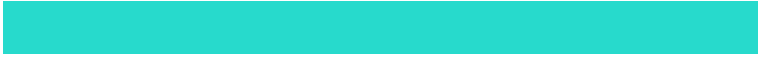
■ 87, 1.660, 193.119

■ 88, 6.300, 13.409

Harmonies

Complementary

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



79, 45.358, 186.689



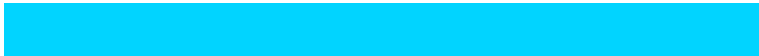
48, 76.915, 29.976

Rectangle

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



79, 45.358, 186.689



79, 45.358, 236.689



79, 45.358, 6.689



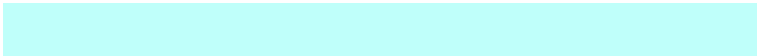
79, 45.358, 56.689

Sweetspot

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



79, 45.358, 186.688



96, 21.158, 191.115



77, 98.825, 136.064



51, 14.274, 190.852



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, 45.358, 186.688



91, 53.743, 185.013



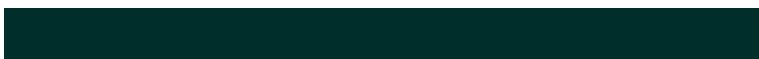
57, 46.246, 266.513



45, 4.424, 192.316



64, 40.241, 185.170



16, 15.940, 186.989

Inverse Universe

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



48, 76.915, 29.976



53, 100.774, 37.349



59, 66.931, 57.361



43, 4.656, 13.611



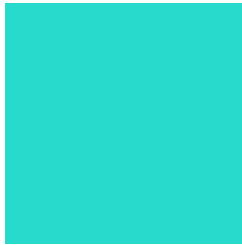
36, 75.025, 36.697



5, 23.744, 16.893

Previews

White Background



This preview shows how the CIELCh color 79, 45.358, 186.689 looks on a white background.

Color Contrast Check

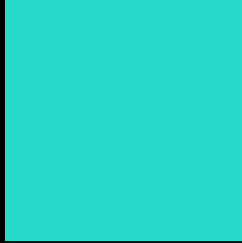
Large Text (above 18pt) WCAG AA × Fail

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, 45.358, 186.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

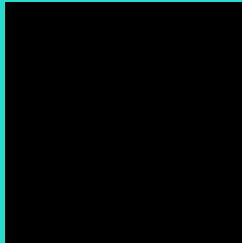
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

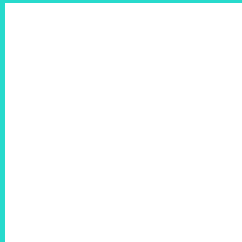
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 45.358, 186.689

Background



This preview shows how black text looks on a background with the CIELCh color 79, 45.358, 186.689.

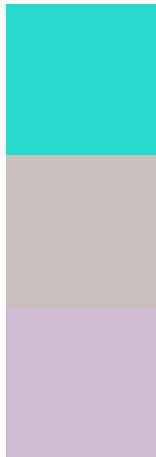


This preview shows how white text looks on a background with the CIELCh color 79, 45.358, 186.689.

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

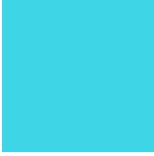
79, 45.358, 186.689

Protanopia

78, 2.437, 60.284

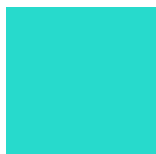
Deuteranopia

78, 13.342, 318.427

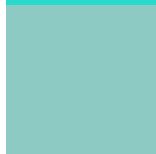


Tritanopia
79, 38.672, 210.666

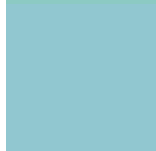
Trichromacy



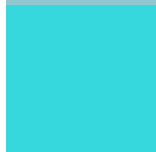
Original Color
79, 45.358, 186.689



Protanomaly
77, 21.445, 187.659



Deuteranomaly
77, 18.354, 213.545

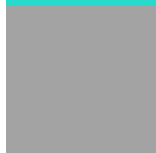


Tritanomaly
79, 40.290, 201.300

Monochromacy



Original Color
79, 45.358, 186.689



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 22.192, 190.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 45.358, 186.689 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(39, 218, 204)` looks like.

```
.text, #text, p{  
    color:rgb(39, 218, 204)  
}
```

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(39, 218, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 218, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 45.358, 186.689 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(39, 218, 204) }
```

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

```
.border{ border-color:rgb(39, 218, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 218, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 218, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 218, 204);  
box-shadow:4px 4px 4px 4px rgb(39, 218,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 45.358, 186.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 218, 204) }
```

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

```
.background{ background-color: rgb(39, 218,  
204) }
```

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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