

Converting Colors

CIELCh(77, 34.705, 180.318)

Have a look what the booklet for
CIELCh(77, 34.705, 180.318)
contains.

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Color

CIELCh(77, 35.039, 179.829)

Conversions

Conversions Part 1

Format	Color
Hex	67D0BD
RGB	103, 208, 189
RGB Percent	40%, 82%, 74%
CMY	0.5970, 0.1852, 0.2597
CMYK	0.51, 0.00, 0.09, 0.19
HSL	169°, 53%, 61%
HSV	169°, 51%, 81%
XYZ	37.2256, 51.5317, 55.9996
YIQ	174.4390, -56.4810, -28.1690

Conversions

Conversions Part 2

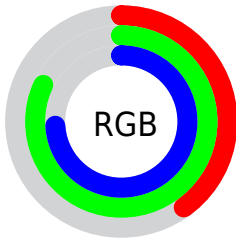
Format	Color
RYB	103, 161, 208
Decimal	6803645
CIELab	77.00, -35.04, 0.10
CIELCh	77, 35.039, 179.829
Yxy	51.5317, 0.2572, 0.3560
Android (android.graphics.Color)	4284993725 (0xFF67D0BD)
YUV	174.4390, 7.1786, -62.6520
Hunter-Lab	71.7856, -33.0606, 3.9981

Details

The CIELCh color **77, 35.039, 179.829** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 44.248, 11.773**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.329, 187.675**, and **57, 34.924, 180.017** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.162, 178.639**, and if you desaturate by 10%, it is **78, 29.152, 180.923**.

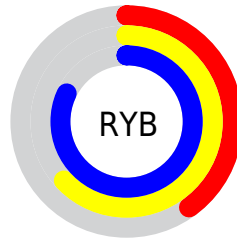
Distribution



Red (40%)

Green (82%)

Blue (74%)



Red (40%)

Yellow (63%)

Blue (82%)

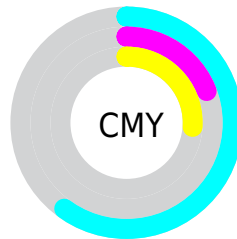


Cyan (51%)

Magenta (0%)

Yellow (9%)

Black (19%)



Cyan (60%)


Magenta (19%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 35.039, 179.829 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 77, 35.039, 179.829 by changing the saturation by 10% instead.


 77, 35.039,
179.829

 77, 35.039,
179.829


 100, 35.039,
179.829


 67, 35.039,
179.829


 97, 35.039,
179.829

 57, 35.039,
179.829

 47, 35.039,
179.829

 37, 35.039,
179.829

 27, 35.039,
179.829

 17, 35.039,
179.829

 7, 35.039, 179.829

0, 35.039, 179.829

77, 35.039,
179.829

77, 35.039,
179.829

76, 40.162,
178.639

78, 29.152,
180.923

76, 44.434,
177.337

79, 22.618,
181.947

75, 47.814,
175.896

80, 15.566,
182.918

75, 50.330,
174.300

82, 8.126, 183.861

75, 52.093,
172.674

83, 0.418, 185.938

85, 7.454, 5.440

87, 15.405, 6.290

■ 88, 18.306, 2.540

■ 88, 18.910,
356.858

Harmonies

Complementary

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



77, 35.039, 179.829



57, 44.248, 11.773

Rectangle

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



77, 35.039, 179.829



77, 35.039, 229.829



77, 35.039, 359.829



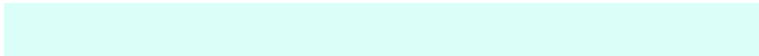
77, 35.039, 49.829

Sweetspot

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



77, 35.039, 179.827



97, 13.557, 183.424



76, 63.446, 136.280



52, 9.215, 183.223



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 35.039, 179.827



92, 47.512, 178.492



68, 27.311, 240.667



43, 4.404, 183.969



62, 44.385, 172.956



14, 16.254, 176.817

Inverse Universe

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



57, 44.248, 11.773



63, 63.312, 14.684



63, 37.617, 50.668



41, 4.580, 5.518



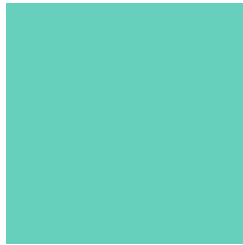
35, 68.685, 30.448



4, 20.174, 11.081

Previews

White Background



This preview shows how the CIELCh color 77, 35.039, 179.829 looks on a white background.

Color Contrast Check

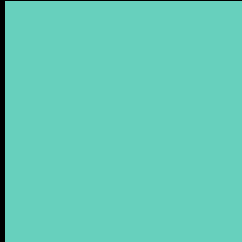
Large Text (above 18pt) WCAG AA × Fail

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 77, 35.039, 179.829 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

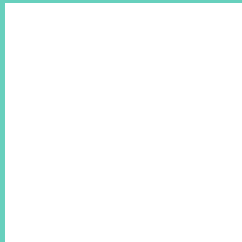
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 35.039, 179.829

Background



This preview shows how black text looks on a background with the CIELCh color 77, 35.039, 179.829.

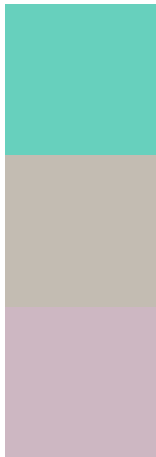


This preview shows how white text looks on a background with the CIELCh color 77, 35.039, 179.829.

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
77, 35.039, 179.829

Protanopia
77, 5.963, 83.189

Deuteranopia
77, 10.105, 344.510

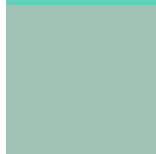


Tritanopia
77, 28.033, 216.809

Trichromacy



Original Color
77, 35.039, 179.829



Protanomaly
76, 14.263, 168.929



Deuteranomaly
76, 8.571, 198.798

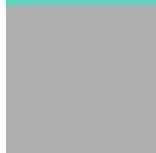


Tritanomaly
77, 29.289, 201.578

Monochromacy



Original Color
77, 35.039, 179.829



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.181, 182.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 35.039, 179.829 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(103, 208, 189)` looks like.

```
.text, #text, p{  
    color:rgb(103, 208, 189)  
}
```

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(103, 208, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 208, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 35.039, 179.829 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(103, 208, 189) }
```

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

```
.border{ border-color:rgb(103, 208, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 208, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 208, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 208, 189); box-shadow:4px 4px 4px 4px rgb(103, 208, 189) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 35.039, 179.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 208, 189) }
```

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

```
.background{ background-color: rgb(103,  
208, 189) }
```

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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