

Converting Colors

CIELCh(78, 39.033, 171.438)

Have a look what the booklet for
CIELCh(78, 39.033, 171.438)
contains.

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Color

CIELCh(78, 39.198, 171.485)

Conversions

Conversions Part 1

Format	Color
Hex	67D4B5
RGB	103, 212, 181
RGB Percent	40%, 83%, 71%
CMY	0.5967, 0.1692, 0.2908
CMYK	0.51, 0.00, 0.15, 0.17
HSL	163°, 56%, 62%
HSV	163°, 51%, 83%
XYZ	37.4040, 53.2120, 51.9344
YIQ	175.8750, -55.0130, -32.7490

Conversions

Conversions Part 2

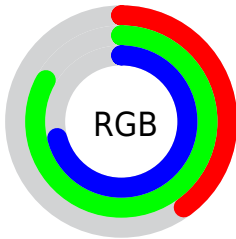
Format	Color
RYB	103, 167, 212
Decimal	6804661
CIELab	78.00, -38.77, 5.80
CIElCh	78, 39.198, 171.485
Yxy	53.2120, 0.2624, 0.3733
Android (android.graphics.Color)	4284994741 (0xFF67D4B5)
YUV	175.8750, 2.5266, -63.9114
Hunter-Lab	72.9466, -36.1290, 8.8510

Details

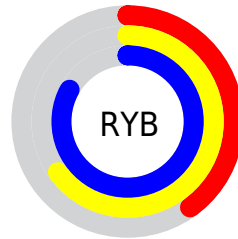
The CIELCh color **78, 39.198, 171.485** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 46.180, 4.156**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.837, 180.395**, and **58, 39.468, 171.185** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.161, 170.056**, and if you desaturate by 10%, it is **79, 32.514, 172.772**.

Distribution



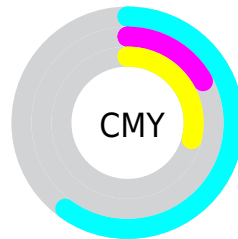
- Red (40%)
- Green (83%)
- Blue (71%)



- Red (40%)
- Yellow (65%)
- Blue (83%)



- Cyan (51%)
- Magenta (0%)
- Yellow (15%)
- Black (17%)




- Cyan (60%)
- Magenta (17%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 39.198, 171.485 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 78, 39.198, 171.485 by changing the saturation by 10% instead.

 78, 39.198,
171.485

 78, 39.198,
171.485


 100, 39.198,
171.485


 68, 39.198,
171.485


 98, 39.198,
171.485

 58, 39.198,
171.485

 48, 39.198,
171.485

 38, 39.198,
171.485

 28, 39.198,
171.485

 18, 39.198,
171.485

 8, 39.198, 171.485

■ 0, 39.198, 171.485

■ 78, 39.198,
171.485

■ 78, 39.198,
171.485

■ 77, 45.161,
170.056

■ 79, 32.514,
172.772

■ 77, 50.302,
168.463

■ 80, 25.235,
173.946

■ 76, 54.573,
166.684

■ 81, 17.503,
175.027

■ 76, 57.996,
164.707

■ 83, 9.451, 176.046

■ 76, 60.412,
162.910

■ 85, 1.204, 177.340

■ 86, 7.134, 357.726

■ 88, 15.480,
358.593

■ 89, 18.007,
351.109

■ 89, 19.640,
343.060

Harmonies

Complementary

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



78, 39.198, 171.485



57, 46.180, 4.156

Rectangle

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



78, 39.198, 171.485



78, 39.198, 221.485



78, 39.198, 351.485



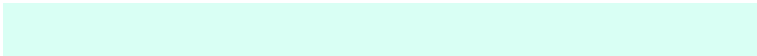
78, 39.198, 41.485

Sweetspot

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



78, 39.199, 171.484



97, 14.334, 175.673



78, 63.284, 133.113



51, 9.756, 175.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 39.199, 171.484



91, 52.705, 169.873



73, 27.850, 223.112



44, 4.733, 176.251



62, 51.193, 163.258



15, 18.795, 167.808

Inverse Universe

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



57, 46.180, 4.156



63, 64.044, 6.940



61, 41.202, 39.934



42, 4.871, 357.890



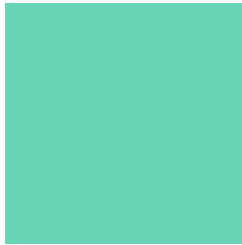
36, 65.325, 22.148



5, 22.230, 7.018

Previews

White Background



This preview shows how the CIELCh color 78, 39.198, 171.485 looks on a white background.

Color Contrast Check

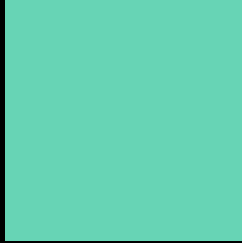
Large Text (above 18pt) WCAG AA × Fail

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 78, 39.198, 171.485 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

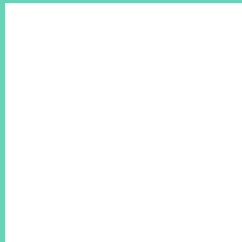
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 39.198, 171.485

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.198, 171.485.

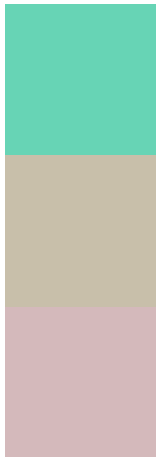


This preview shows how white text looks on a background with the CIELCh color 78, 39.198, 171.485.

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
78, 39.198, 171.485

Protanopia
78, 11.730, 91.844

Deuteranopia
77, 10.273, 14.259



Tritanopia
78, 28.054, 216.752

Trichromacy



Original Color
78, 39.198, 171.485



Protanomaly
77, 18.474, 151.689



Deuteranomaly
77, 10.034, 166.326

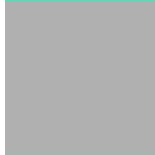


Tritanomaly
78, 29.858, 197.280

Monochromacy



Original Color
78, 39.198, 171.485



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 15.653, 175.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.198, 171.485 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, 212, 181)` looks like.

```
.text, #text, p{  
    color:rgb(103, 212, 181)  
}
```

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, 212, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 212, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.198, 171.485 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, 212, 181) }
```

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

```
.border{ border-color:rgb(103, 212, 181) }
```

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

Here you see how a box with a 4 pixel rgb(103, 212, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 212, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 212, 181);  
box-shadow:4px 4px 4px 4px rgb(103, 212,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.198, 171.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 212, 181) }
```

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

```
.background{ background-color: rgb(103,  
212, 181) }
```

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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