

Converting Colors

CIELCh(78, 41.018, 176.454)

Have a look what the booklet for
CIELCh(78, 41.018, 176.454)
contains.

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Color

CIELCh(78, 40.962, 176.519)

Conversions

Conversions Part 1

Format	Color
Hex	58D5BB
RGB	88, 213, 187
RGB Percent	35%, 84%, 73%
CMY	0.6552, 0.1649, 0.2669
CMYK	0.59, 0.00, 0.12, 0.16
HSL	168°, 60%, 59%
HSV	168°, 59%, 84%
XYZ	36.7583, 53.2120, 55.3122
YIQ	172.6610, -66.1540, -34.5860

Conversions

Conversions Part 2

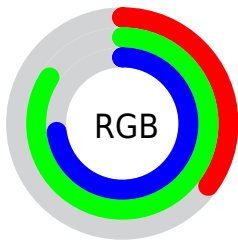
Format	Color
RYB	88, 158, 213
Decimal	5821883
CIELab	78.00, -40.89, 2.49
CIELCh	78, 40.962, 176.519
Yxy	53.2120, 0.2530, 0.3663
Android (android.graphics.Color)	4284011963 (0xFF58D5BB)
YUV	172.6610, 7.0691, -74.2477
Hunter-Lab	72.9466, -37.7089, 6.1056

Details

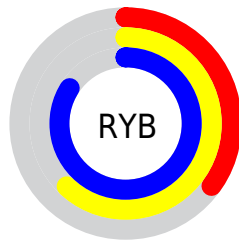
The CIELCh color **78, 40.962, 176.519** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 52.540, 11.758**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.951, 186.715**, and **58, 40.836, 176.213** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.697, 175.146**, and if you desaturate by 10%, it is **79, 35.386, 177.763**.

Distribution



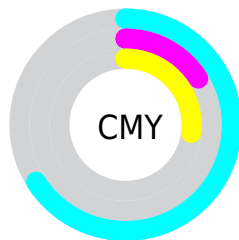
- Red (35%)
- Green (84%)
- Blue (73%)



- Red (35%)
- Yellow (62%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (66%)
- Magenta (16%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 40.962, 176.519 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, 40.962, 176.519 by changing the saturation by 10% instead.


 78, 40.962,
176.519


 78, 40.962,
176.519


 100, 40.962,
176.519


 68, 40.962,
176.519


 98, 40.962,
176.519

 58, 40.962,
176.519

 48, 40.962,
176.519

 38, 40.962,
176.519

 28, 40.962,
176.519

 18, 40.962,
176.519

 8, 40.962, 176.519

0, 40.962, 176.519

78, 40.962,
176.519

78, 40.962,
176.519

77, 45.697,
175.146

79, 35.386,
177.763

77, 49.535,
173.625

80, 29.067,
178.906

77, 52.487,
171.934

81, 22.131,
179.967

76, 54.691,
170.088

82, 14.714,
180.968

76, 54.958,
169.851

84, 6.948, 181.942

85, 1.048, 2.247

87, 9.172, 3.548

■ 89, 16.168, 3.055

■ 89, 16.906,
355.565

Harmonies

Complementary

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



78, 40.962, 176.519



54, 52.540, 11.758

Rectangle

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



78, 40.962, 176.519



78, 40.962, 226.519



78, 40.962, 356.519



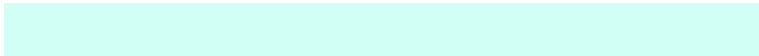
78, 40.962, 46.519

Sweetspot

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



78, 40.962, 176.518



97, 16.404, 181.019



77, 73.368, 134.915



51, 11.339, 180.730



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, 40.962, 176.518



91, 53.324, 174.852



68, 30.802, 237.532



44, 4.547, 181.871



62, 46.454, 170.163



15, 17.368, 174.097

Inverse Universe

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



54, 52.540, 11.758



60, 71.714, 15.562



61, 46.517, 47.408



42, 4.716, 3.462



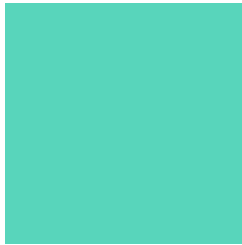
36, 68.283, 28.498



5, 22.067, 10.516

Previews

White Background



This preview shows how the CIELCh color 78, 40.962, 176.519 looks on a white background.

Color Contrast Check

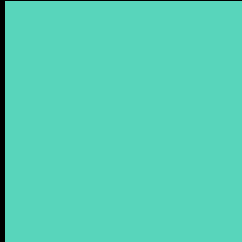
Large Text (above 18pt) WCAG AA × Fail

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, 40.962, 176.519 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

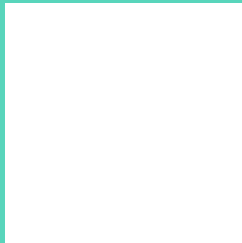
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 40.962, 176.519

Background



This preview shows how black text looks on a background with the CIELCh color 78, 40.962, 176.519.

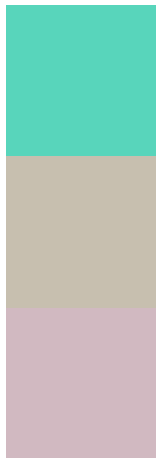


This preview shows how white text looks on a background with the CIELCh color 78, 40.962, 176.519.

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, 40.962, 176.519

Protanopia

78, 9.064, 89.604

Deuteranopia

77, 9.942, 354.738



Tritanopia
78, 31.331, 213.416

Trichromacy



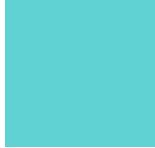
Original Color
78, 40.962, 176.519



Protanomaly
77, 18.193, 161.906



Deuteranomaly
77, 10.957, 187.244

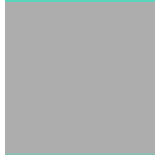


Tritanomaly
78, 33.256, 198.000

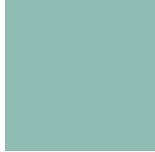
Monochromacy



Original Color
78, 40.962, 176.519



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 17.305, 179.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 40.962, 176.519 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(88, 213, 187)` looks like.

```
.text, #text, p{  
    color:rgb(88, 213, 187)  
}
```

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(88, 213, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 213, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 40.962, 176.519 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(88, 213, 187) }
```

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

```
.border{ border-color:rgb(88, 213, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 213, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 213, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 213, 187);  
box-shadow:4px 4px 4px 4px rgb(88, 213,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 40.962, 176.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 213, 187) }
```

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

```
.background{ background-color: rgb(88, 213,  
187) }
```

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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