

Converting Colors

CIELCh(78, 34.654, 180.406)

Have a look what the booklet for
CIELCh(78, 34.654, 180.406)
contains.

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Color

CIELCh(78, 34.575, 180.611)

Conversions

Conversions Part 1

Format	Color
Hex	6AD2C0
RGB	106, 210, 192
RGB Percent	42%, 82%, 75%
CMY	0.5826, 0.1748, 0.2455
CMYK	0.49, 0.00, 0.09, 0.17
HSL	170°, 54%, 62%
HSV	170°, 49%, 83%
XYZ	38.7028, 53.2120, 58.3351
YIQ	176.8520, -56.2060, -27.6460

Conversions

Conversions Part 2

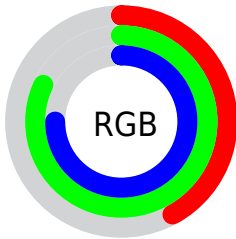
Format	Color
RYB	106, 163, 210
Decimal	7000768
CIELab	78.00, -34.57, -0.37
CIELCh	78, 34.575, 180.611
Yxy	53.2120, 0.2576, 0.3542
Android (android.graphics.Color)	4285190848 (0xFF6AD2C0)
YUV	176.8520, 7.4680, -62.1372
Hunter-Lab	72.9466, -32.9508, 3.6485

Details

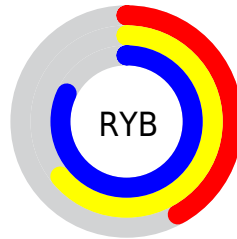
The CIELCh color **78, 34.575, 180.611** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **58, 43.674, 12.116**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.095, 190.435**, and **58, 34.467, 180.895** is the 20% darker color. If you saturate the color by 10%, you get **77, 39.783, 179.455**, and if you desaturate by 10%, it is **79, 28.602, 181.678**.

Distribution



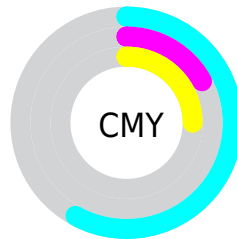
- Red (42%)
- Green (82%)
- Blue (75%)



- Red (42%)
- Yellow (64%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)





- Cyan (58%)
- Magenta (17%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 34.575, 180.611 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, 34.575, 180.611 by changing the saturation by 10% instead.


 78, 34.575,
180.611

 78, 34.575,
180.611


 100, 34.575,
180.611


 68, 34.575,
180.611


 98, 34.575,
180.611

 58, 34.575,
180.611

 48, 34.575,
180.611

 38, 34.575,
180.611

 28, 34.575,
180.611

 18, 34.575,
180.611

 8, 34.575, 180.611

0, 34.575, 180.611

78, 34.575,
180.611

78, 34.575,
180.611

77, 39.783,
179.455

79, 28.602,
181.678

77, 44.132,
178.193

80, 21.982,
182.681

76, 47.579,
176.800

81, 14.846,
183.635

76, 50.143,
175.258

83, 7.326, 184.572

76, 51.987,
173.581

84, 0.461, 4.195

76, 52.088,
173.485

86, 8.409, 6.132

88, 16.433, 6.970

■ 88, 17.337, 1.275

■ 88, 17.970,
355.525

Harmonies

Complementary

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



78, 34.575, 180.611



58, 43.674, 12.116

Rectangle

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



78, 34.575, 180.611



78, 34.575, 230.611



78, 34.575, 0.611



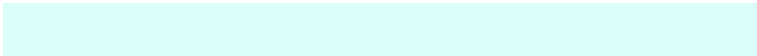
78, 34.575, 50.611

Sweetspot

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



78, 34.575, 180.609



97, 13.509, 184.032



77, 62.778, 136.357



52, 9.181, 183.834



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, 34.575, 180.609



92, 46.116, 179.427



69, 27.093, 240.418



43, 4.390, 184.573



62, 43.961, 173.775



14, 16.133, 177.533

Inverse Universe

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



58, 43.674, 12.116



64, 61.309, 14.689



64, 37.015, 50.707



41, 4.569, 6.108



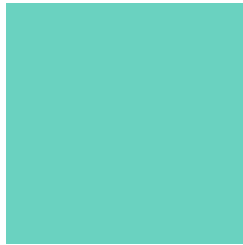
35, 69.034, 30.994



4, 20.159, 11.433

Previews

White Background



This preview shows how the CIELCh color 78, 34.575, 180.611 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, 34.575, 180.611 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

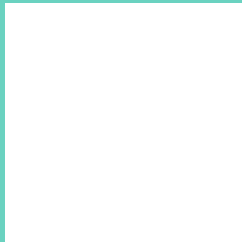
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 34.575, 180.611

Background



This preview shows how black text looks on a background with the CIELCh color 78, 34.575, 180.611.

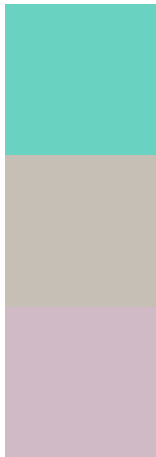


This preview shows how white text looks on a background with the CIELCh color 78, 34.575, 180.611.

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, 34.575, 180.611

Protanopia
78, 5.787, 86.588

Deuteranopia
78, 10.102, 340.746

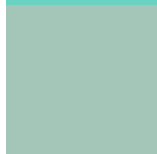


Tritanopia
78, 28.054, 216.752

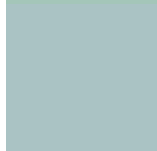
Trichromacy



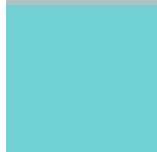
Original Color
78, 34.575, 180.611



Protanomaly
77, 14.225, 168.954

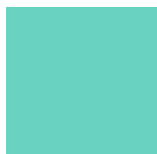


Deuteranomaly
77, 8.878, 202.267



Tritanomaly
78, 29.080, 201.632

Monochromacy



Original Color
78, 34.575, 180.611



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 13.969, 184.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 34.575, 180.611 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(106, 210, 192)` looks like.

```
.text, #text, p{  
    color:rgb(106, 210, 192)  
}
```

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(106, 210, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 210, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 34.575, 180.611 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(106, 210, 192) }
```

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

```
.border{ border-color:rgb(106, 210, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 210, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 210, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 210, 192);  
box-shadow:4px 4px 4px 4px rgb(106, 210,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 34.575, 180.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 210, 192) }
```

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

```
.background{ background-color: rgb(106,  
210, 192) }
```

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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