

Converting Colors

CIELCh(78, 34.442, 169.820)

Have a look what the booklet for
CIELCh(78, 34.442, 169.820)
contains.

CIELCh(78, 34.815, 169.371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 34.815, 169.371)

Conversions

Conversions Part 1

Format	Color
Hex	77D2B4
RGB	119, 210, 180
RGB Percent	47%, 82%, 71%
CMY	0.5339, 0.1771, 0.2947
CMYK	0.43, 0.00, 0.14, 0.18
HSL	160°, 50%, 64%
HSV	160°, 43%, 82%
XYZ	38.8143, 53.2120, 51.3210
YIQ	179.3710, -44.6060, -28.6220

Conversions

Conversions Part 2

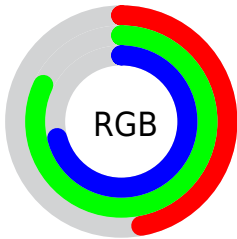
Format	Color
RYB	119, 173, 210
Decimal	7852724
CIELab	78.00, -34.22, 6.42
CIELCh	78, 34.815, 169.371
Yxy	53.2120, 0.2708, 0.3712
Android (android.graphics.Color)	4286042804 (0xFF77D2B4)
YUV	179.3710, 0.3101, -52.9454
Hunter-Lab	72.9466, -32.6781, 9.3495

Details

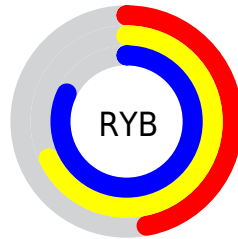
The CIELCh color **78, 34.815, 169.371** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 39.075, 359.269**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.324, 177.372**, and **58, 34.884, 169.102** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.693, 168.016**, and if you desaturate by 10%, it is **79, 27.353, 170.591**.

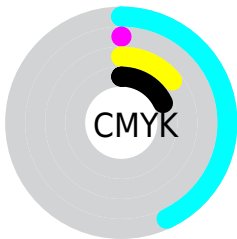
Distribution



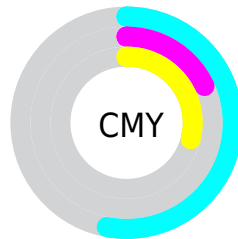
- Red (47%)
- Green (82%)
- Blue (71%)



- Red (47%)
- Yellow (68%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (53%)
- Magenta (18%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 34.815, 169.371 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, 34.815, 169.371 by changing the saturation by 10% instead.


 78, 34.815,
169.371


 78, 34.815,
169.371


 100, 34.815,
169.371


 68, 34.815,
169.371


 98, 34.815,
169.371

 58, 34.815,
169.371

 48, 34.815,
169.371

 38, 34.815,
169.371

 28, 34.815,
169.371

 18, 34.815,
169.371

 8, 34.815, 169.371

■ 0, 34.815, 169.371

■ 78, 34.815,
169.371

■ 78, 34.815,
169.371

■ 77, 41.693,
168.016

■ 79, 27.353,
170.591

■ 76, 47.856,
166.506

■ 80, 19.446,
171.705

■ 76, 53.208,
164.813

■ 82, 11.233,
172.739

■ 75, 57.704,
162.920

■ 84, 2.840, 173.806

■ 75, 61.379,
160.823

■ 85, 5.627, 354.426

■ 87, 14.084,
355.302

■ 75, 63.500,
159.375

■ 88, 18.967,

350.599

■ 89, 20.885,
341.937

■ 89, 23.219,
334.929

Harmonies

Complementary

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



78, 34.815, 169.371



61, 39.075, 359.269

Rectangle

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



78, 34.815, 169.371



78, 34.815, 219.371



78, 34.815, 349.371



78, 34.815, 39.371

Sweetspot

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



78, 34.816, 169.370



97, 12.801, 172.761



78, 52.884, 132.557



52, 8.942, 172.535



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, 34.816, 169.370



92, 47.701, 168.127



74, 24.623, 217.417



43, 4.767, 173.137



61, 53.548, 159.749



14, 18.902, 164.850

Inverse Universe

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



61, 39.075, 359.269



68, 54.755, 1.043



63, 34.065, 36.568



41, 4.886, 354.766



35, 63.291, 17.960



4, 20.616, 4.031

Previews

White Background



This preview shows how the CIE LCh color 78, 34.815, 169.371 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, 34.815, 169.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

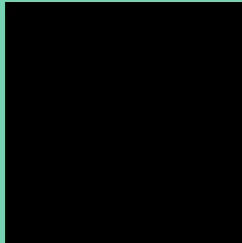
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

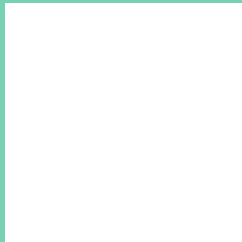
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 34.815, 169.371

Background



This preview shows how black text looks on a background with the CIELCh color 78, 34.815, 169.371.

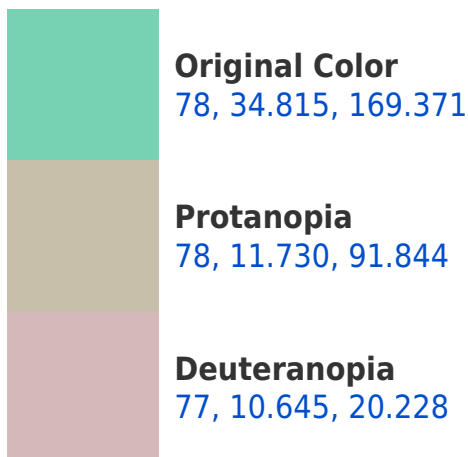


This preview shows how white text looks on a background with the CIELCh color 78, 34.815, 169.371.

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





Tritanopia
78, 24.620, 219.782

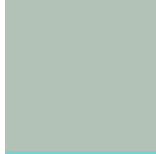
Trichromacy



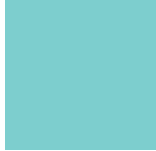
Original Color
78, 34.815, 169.371



Protanomaly
77, 16.626, 147.714



Deuteranomaly
77, 8.142, 152.493

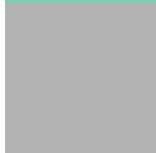


Tritanomaly
78, 25.898, 197.545

Monochromacy



Original Color
78, 34.815, 169.371



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 13.455, 172.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 34.815, 169.371 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(119, 210, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 210, 180)  
}
```

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(119, 210, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 210, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 34.815, 169.371 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(119, 210, 180) }
```

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

```
.border{ border-color:rgb(119, 210, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 210, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 210, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 210, 180); box-shadow:4px 4px 4px 4px rgb(119, 210, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 34.815, 169.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 210, 180) }
```

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

```
.background{ background-color: rgb(119,  
210, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor