

Converting Colors

CIELCh(78, 33.679, 171.458)

Have a look what the booklet for
CIELCh(78, 33.679, 171.458)
contains.

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Color

CIELCh(78, 33.666, 171.483)

Conversions

Conversions Part 1

Format	Color
Hex	78D2B7
RGB	120, 210, 183
RGB Percent	47%, 82%, 72%
CMY	0.5313, 0.1784, 0.2842
CMYK	0.43, 0.00, 0.13, 0.18
HSL	162°, 50%, 65%
HSV	162°, 43%, 82%
XYZ	39.1047, 53.2120, 52.7542
YIQ	180.0120, -44.9730, -27.4770

Conversions

Conversions Part 2

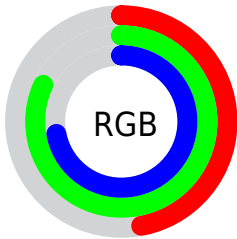
Format	Color
RYB	120, 173, 210
Decimal	7918263
CIELab	78.00, -33.29, 4.99
CIELCh	78, 33.666, 171.483
Yxy	53.2120, 0.2696, 0.3668
Android (android.graphics.Color)	4286108343 (0xFF78D2B7)
YUV	180.0120, 1.4731, -52.6305
Hunter-Lab	72.9466, -31.9674, 8.1847

Details

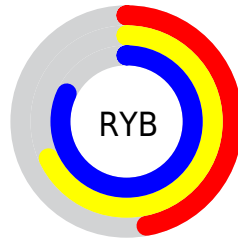
The CIELCh color **78, 33.666, 171.483** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 38.302, 1.332**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.384, 180.130**, and **58, 33.684, 171.372** is the 20% darker color. If you saturate the color by 10%, you get **77, 40.319, 170.159**, and if you desaturate by 10%, it is **79, 26.417, 172.681**.

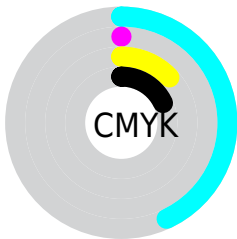
Distribution



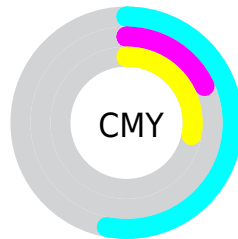
- Red (47%)
- Green (82%)
- Blue (72%)



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



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)




- Cyan (53%)
- Magenta (18%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.666, 171.483 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, 33.666, 171.483 by changing the saturation by 10% instead.


 78, 33.666,
171.483


 78, 33.666,
171.483


 100, 33.666,
171.483


 68, 33.666,
171.483


 98, 33.666,
171.483

 58, 33.666,
171.483

 48, 33.666,
171.483

 38, 33.666,
171.483

 28, 33.666,
171.483

 18, 33.666,
171.483

 8, 33.666, 171.483

■ 0, 33.666, 171.483

■ 78, 33.666,
171.483

■ 78, 33.666,
171.483

■ 77, 40.319,
170.159

■ 79, 26.417,
172.681

■ 76, 46.247,
168.688

■ 80, 18.708,
173.782

■ 76, 51.358,
167.045

■ 82, 10.677,
174.810

■ 75, 55.609,
165.208

■ 84, 2.448, 175.905

■ 75, 59.033,
163.171

■ 85, 5.875, 356.499

■ 87, 14.204,
357.380

■ 75, 61.093,
161.668

■ 88, 18.743,

352.796

■ 88, 20.361,
344.555

■ 89, 22.354,
337.700

Harmonies

Complementary

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



78, 33.666, 171.483



61, 38.302, 1.332

Rectangle

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



78, 33.666, 171.483



78, 33.666, 221.483



78, 33.666, 351.483



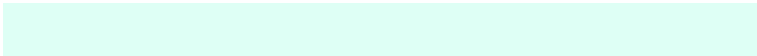
78, 33.666, 41.483

Sweetspot

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



78, 33.667, 171.482



97, 12.565, 174.791



78, 52.863, 133.580



52, 8.774, 174.565



0, 0.000, 0.000



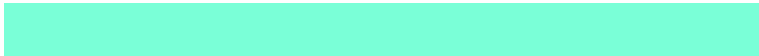
53, 0.007, 296.813

Same Dimension

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



78, 33.667, 171.482



92, 46.490, 170.210



74, 24.042, 222.045



43, 4.682, 175.168



61, 51.603, 162.031



14, 18.333, 166.978

Inverse Universe

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



61, 38.302, 1.332



68, 54.385, 3.241



64, 32.943, 39.536



41, 4.811, 356.802



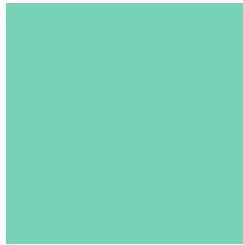
35, 64.095, 20.690



4, 20.495, 5.563

Previews

White Background



This preview shows how the CIELCh color 78, 33.666, 171.483 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, 33.666, 171.483 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

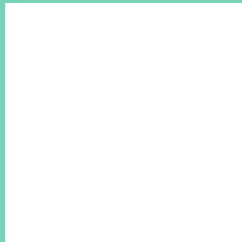
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 33.666, 171.483

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.666, 171.483.

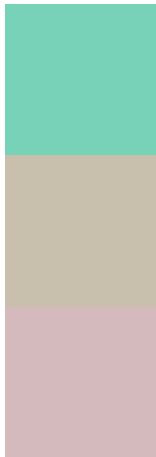


This preview shows how white text looks on a background with the CIELCh color 78, 33.666, 171.483.

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](#).

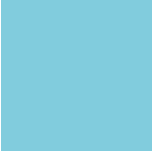
Dichromacy



Original Color
78, 33.666, 171.483

Protanopia
78, 10.204, 89.423

Deuteranopia
78, 9.879, 13.985



Tritanopia
78, 24.620, 219.782

Trichromacy



Original Color
78, 33.666, 171.483



Protanomaly
77, 15.547, 149.134



Deuteranomaly
77, 7.937, 161.444

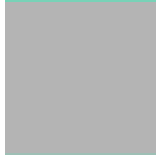


Tritanomaly
78, 25.557, 198.788

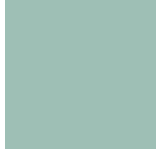
Monochromacy



Original Color
78, 33.666, 171.483



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 13.181, 174.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.666, 171.483 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(120, 210, 183)` looks like.

```
.text, #text, p{  
    color:rgb(120, 210, 183)  
}
```

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(120, 210, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 210, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.666, 171.483 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(120, 210, 183) }
```

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

```
.border{ border-color:rgb(120, 210, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 210, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 210, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 210, 183);  
box-shadow:4px 4px 4px 4px rgb(120, 210,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.666, 171.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 210, 183) }
```

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

```
.background{ background-color: rgb(120,  
210, 183) }
```

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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