

Converting Colors

CIELCh(78, 21.062, 162.642)

Have a look what the booklet for
CIELCh(78, 21.062, 162.642)
contains.

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Color

CIELCh(78, 20.760, 163.312)

Conversions

Conversions Part 1

Format	Color
Hex	9CCBB5
RGB	156, 203, 181
RGB Percent	61%, 80%, 71%
CMY	0.3876, 0.2033, 0.2896
CMYK	0.23, 0.00, 0.11, 0.20
HSL	152°, 31%, 70%
HSV	152°, 23%, 80%
XYZ	43.4891, 53.2120, 51.7776
YIQ	186.4390, -20.9500, -16.8060

Conversions

Conversions Part 2

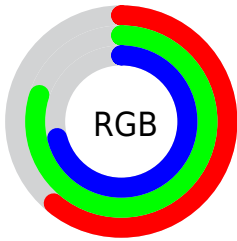
Format	Color
RYB	156, 187, 203
Decimal	10275765
CIELab	78.00, -19.89, 5.96
CIELCh	78, 20.760, 163.312
Yxy	53.2120, 0.2929, 0.3584
Android (android.graphics.Color)	4288465845 (0xFF9CCBB5)
YUV	186.4390, -2.6814, -26.6950
Hunter-Lab	72.9466, -21.2387, 8.9785

Details

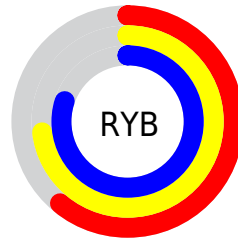
The CIELCh color **78, 20.760, 163.312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 21.469, 347.526**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.883, 167.283**, and **58, 20.923, 162.711** is the 20% darker color. If you saturate the color by 10%, you get **77, 29.485, 162.221**, and if you desaturate by 10%, it is **80, 11.832, 164.298**.

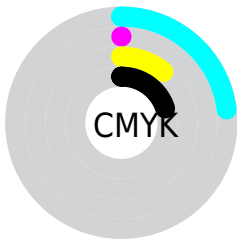
Distribution



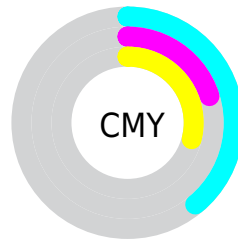
- Red (61%)
- Green (80%)
- Blue (71%)



- Red (61%)
- Yellow (73%)
- Blue (80%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)





- Cyan (39%)
- Magenta (20%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 20.760, 163.312 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, 20.760, 163.312 by changing the saturation by 10% instead.


 78, 20.760,
163.312


 78, 20.760,
163.312


 100, 20.760,
163.312


 68, 20.760,
163.312


 98, 20.760,
163.312

 58, 20.760,
163.312

 48, 20.760,
163.312

 38, 20.760,
163.312

 28, 20.760,
163.312

 18, 20.760,
163.312

 8, 20.760, 163.312

■ 0, 20.760, 163.312

■ 78, 20.760,
163.312

■ 78, 20.760,
163.312

■ 77, 29.485,
162.221

■ 80, 11.832,
164.298

■ 76, 37.859,
161.002

■ 81, 2.822, 165.292

■ 75, 45.734,
159.628

■ 83, 6.169, 345.877

■ 85, 15.061,
346.656

■ 74, 52.962,
158.074

■ 87, 22.980,
345.849

■ 73, 59.424,
156.318

■ 87, 25.983,
336.731

■ 73, 65.052,
154.349

■ 87, 29.537,

■ 72, 69.852,
152.176

329.748

■ 72, 72.791,
150.641

■ 88, 32.510,
325.556

Harmonies

Complementary

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



78, 20.760, 163.312



69, 21.469, 347.526

Rectangle

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



78, 20.760, 163.312



78, 20.760, 213.312



78, 20.760, 343.312



78, 20.760, 33.312

Sweetspot

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



78, 20.761, 163.310



99, 7.581, 164.870



79, 26.598, 128.602



52, 4.926, 164.812



0, 0.000, 0.000



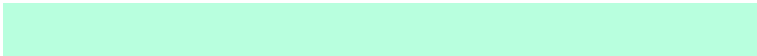
53, 0.007, 296.813

Same Dimension

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



78, 20.761, 163.310



95, 30.098, 162.755



78, 15.802, 199.797



42, 5.127, 164.651



60, 62.120, 151.006



12, 20.719, 156.857

Inverse Universe

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



69, 21.469, 347.526



82, 31.355, 348.101



69, 18.449, 22.408



40, 5.201, 346.161



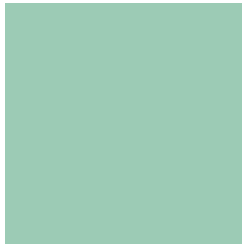
35, 61.195, 4.641



4, 19.619, 355.498

Previews

White Background



This preview shows how the CIELCh color 78, 20.760, 163.312 looks on a white background.

Color Contrast Check

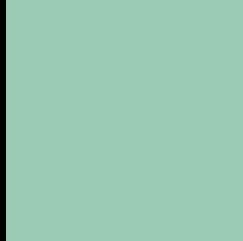
Large Text (above 18pt) WCAG AA × Fail

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, 20.760, 163.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

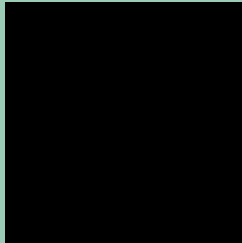
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

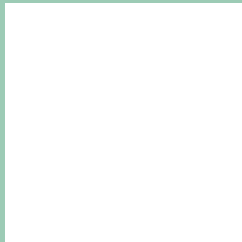
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 20.760, 163.312

Background



This preview shows how black text looks on a background with the CIELCh color 78, 20.760, 163.312.



This preview shows how white text looks on a background with the CIELCh color 78, 20.760, 163.312.

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, 20.760, 163.312

Protanopia
78, 9.561, 90.611

Deuteranopia
78, 10.669, 23.073



Tritanopia
78, 14.344, 235.605

Trichromacy



Original Color
78, 20.760, 163.312

Protanomaly
78, 11.133, 133.136

Deuteranomaly
78, 4.282, 104.752

Tritanomaly
78, 13.489, 203.023

Monochromacy



Original Color
78, 20.760, 163.312

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 7.623, 164.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 20.760, 163.312 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(156, 203, 181)` looks like.

```
.text, #text, p{  
    color:rgb(156, 203, 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(156, 203, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 203, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 20.760, 163.312 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(156, 203, 181) }
```

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

```
.border{ border-color:rgb(156, 203, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 203, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 203, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 203, 181);  
box-shadow:4px 4px 4px 4px rgb(156, 203,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 20.760, 163.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 203, 181) }
```

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

```
.background{ background-color: rgb(156,  
203, 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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