

Converting Colors

CIELCh(78, 12.593, 192.160)

Have a look what the booklet for
CIELCh(78, 12.593, 192.160)
contains.

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Color

CIELCh(78, 12.785, 191.223)

Conversions

Conversions Part 1

Format	Color
Hex	A4C8C5
RGB	164, 200, 197
RGB Percent	64%, 78%, 77%
CMY	0.3570, 0.2158, 0.2276
CMYK	0.18, 0.00, 0.02, 0.22
HSL	175°, 25%, 71%
HSV	175°, 18%, 78%
XYZ	46.0241, 53.2120, 60.6487
YIQ	188.8940, -20.4930, -8.5650

Conversions

Conversions Part 2

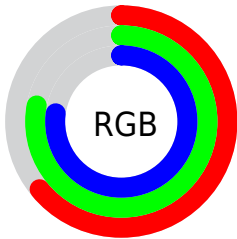
Format	Color
RYB	164, 183, 200
Decimal	10799301
CIELab	78.00, -12.54, -2.49
CIELCh	78, 12.785, 191.223
Yxy	53.2120, 0.2879, 0.3328
Android (android.graphics.Color)	4288989381 (0xFFA4C8C5)
YUV	188.8940, 3.9963, -21.8320
Hunter-Lab	72.9466, -15.0357, 1.7681

Details

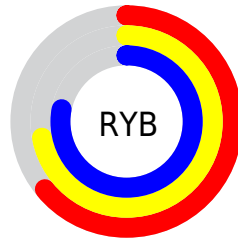
The CIELCh color **78, 12.785, 191.223** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 14.106, 14.049**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 12.171, 196.275**, and **58, 12.659, 190.439** is the 20% darker color. If you saturate the color by 10%, you get **77, 19.333, 190.461**, and if you desaturate by 10%, it is **79, 5.811, 192.005**.

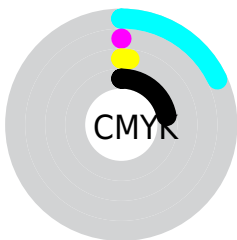
Distribution



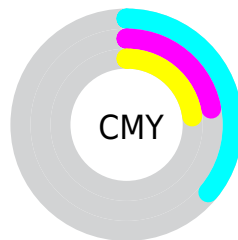
- Red (64%)
- Green (78%)
- Blue (77%)



- Red (64%)
- Yellow (72%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 12.785, 191.223 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, 12.785, 191.223 by changing the saturation by 10% instead.


 78, 12.785,
191.223

 78, 12.785,
191.223


 100, 12.785,
191.223


 68, 12.785,
191.223


 98, 12.785,
191.223

 58, 12.785,
191.223

 48, 12.785,
191.223

 38, 12.785,
191.223

 28, 12.785,
191.223

 18, 12.785,
191.223

 8, 12.785, 191.223

0, 12.785, 191.223

78, 12.785,
191.223

78, 12.785,
191.223

77, 19.333,
190.461

79, 5.811, 192.005

76, 25.332,
189.707

81, 1.478, 12.283

75, 30.662,
188.944

83, 8.982, 13.320

74, 35.217,
188.163

85, 20.878, 13.419

74, 38.917,
187.350

86, 20.945, 11.057

73, 41.722,
186.490

86, 21.048, 8.715

86, 21.189, 6.400

■ 73, 43.653,
185.567

■ 86, 21.365, 4.122

■ 73, 44.829,
184.572

■ 73, 45.031,
184.372

Harmonies

Complementary

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



78, 12.785, 191.223



71, 14.106, 14.049

Rectangle

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



78, 12.785, 191.223



78, 12.785, 241.223



78, 12.785, 11.223



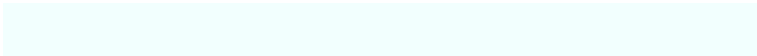
78, 12.785, 61.223

Sweetspot

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



78, 12.786, 191.217



99, 4.446, 192.274



77, 22.848, 140.735



53, 3.030, 192.204



0, 0.000, 0.000



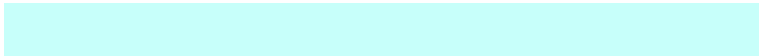
53, 0.007, 296.813

Same Dimension

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



78, 12.786, 191.217



96, 18.817, 190.890



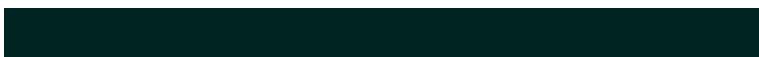
74, 10.672, 246.109



41, 4.089, 191.891



60, 38.675, 184.534



12, 13.729, 186.994

Inverse Universe

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



71, 14.106, 14.049



85, 21.296, 14.530



74, 11.520, 62.045



39, 4.297, 13.184



34, 71.357, 36.251



3, 15.946, 15.087

Previews

White Background



This preview shows how the CIELCh color 78, 12.785, 191.223 looks on a white background.

Color Contrast Check

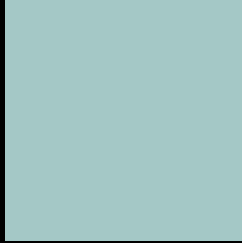
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 12.785, 191.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

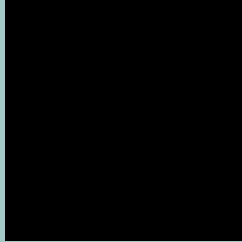
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

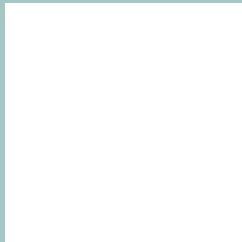
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 12.785, 191.223

Background



This preview shows how black text looks on a background with the CIELCh color 78, 12.785, 191.223.

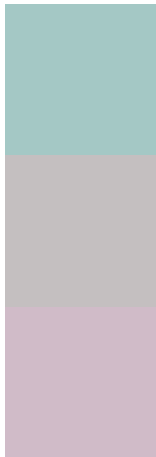


This preview shows how white text looks on a background with the CIELCh color 78, 12.785, 191.223.

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

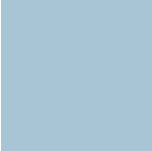
78, 12.785, 191.223

Protanopia

78, 1.933, 3.218

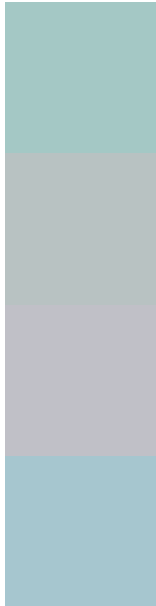
Deuteranopia

78, 10.435, 338.468



Tritanopia
78, 13.110, 239.871

Trichromacy



Original Color
78, 12.785, 191.223

Protanomaly
78, 3.630, 199.271

Deuteranomaly
78, 3.756, 290.538

Tritanomaly
78, 11.891, 222.724

Monochromacy



Original Color
78, 12.785, 191.223

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.756, 192.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 12.785, 191.223 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(164, 200, 197)` looks like.

```
.text, #text, p{  
    color:rgb(164, 200, 197)  
}
```

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(164, 200, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 200, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 12.785, 191.223 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(164, 200, 197) }
```

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

```
.border{ border-color:rgb(164, 200, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 200, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 200, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 200, 197);  
box-shadow:4px 4px 4px 4px rgb(164, 200,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 12.785, 191.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 200, 197) }
```

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

```
.background{ background-color: rgb(164,  
200, 197) }
```

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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