

Converting Colors

CIELCh(78, 44.792, 169.011)

Have a look what the booklet for
CIELCh(78, 44.792, 169.011)
contains.

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Color

CIELCh(78, 44.745, 169.170)

Conversions

Conversions Part 1

Format	Color
Hex	58D6B0
RGB	88, 214, 176
RGB Percent	35%, 84%, 69%
CMY	0.6555, 0.1614, 0.3104
CMYK	0.59, 0.00, 0.18, 0.16
HSL	162°, 60%, 59%
HSV	162°, 59%, 84%
XYZ	35.8393, 53.2120, 49.3817
YIQ	171.9940, -62.8980, -38.5300

Conversions

Conversions Part 2

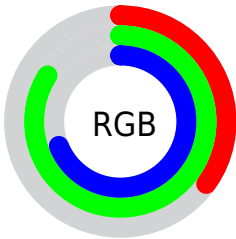
Format	Color
RYB	88, 162, 214
Decimal	5822128
CIELab	78.00, -43.95, 8.41
CIELCh	78, 44.745, 169.170
Yxy	53.2120, 0.2589, 0.3844
Android (android.graphics.Color)	4284012208 (0xFF58D6B0)
YUV	171.9940, 1.9750, -73.6627
Hunter-Lab	72.9466, -39.9578, 10.9258

Details

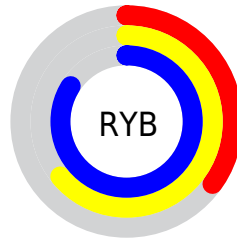
The CIELCh color **78, 44.745, 169.170** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 53.145, 4.631**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.239, 177.936**, and **58, 44.182, 169.584** is the 20% darker color. If you saturate the color by 10%, you get **77, 50.293, 167.592**, and if you desaturate by 10%, it is **79, 38.398, 170.582**.

Distribution



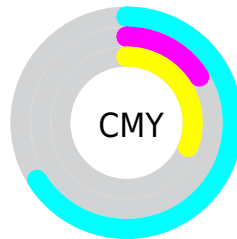
- Red (35%)
- Green (84%)
- Blue (69%)



- Red (35%)
- Yellow (64%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)




- Cyan (66%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 44.745, 169.170 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, 44.745, 169.170 by changing the saturation by 10% instead.


 78, 44.745,
169.170

 78, 44.745,
169.170

 100, 44.745,
169.170


 68, 44.745,
169.170


 98, 44.745,
169.170

 58, 44.745,
169.170

 48, 44.745,
169.170

 38, 44.745,
169.170

 28, 44.745,
169.170

 18, 44.745,
169.170

 8, 44.745, 169.170

0, 44.745, 169.170

78, 44.745,
169.170

78, 44.745,
169.170

77, 50.293,
167.592

79, 38.398,
170.582

77, 54.975,
165.828

80, 31.364,
171.856

76, 58.793,
163.863

81, 23.777,
173.016

76, 61.881,
161.731

82, 15.781,
174.086

76, 62.199,
161.506

84, 7.511, 175.101

86, 0.915, 355.400

88, 9.396, 356.756

■ 89, 16.534,
355.475

■ 89, 18.099,
345.763

Harmonies

Complementary

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



78, 44.745, 169.170



55, 53.145, 4.631

Rectangle

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



78, 44.745, 169.170



78, 44.745, 219.170



78, 44.745, 349.170



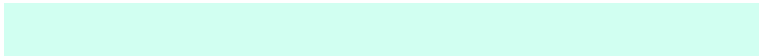
78, 44.745, 39.170

Sweetspot

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



78, 44.746, 169.169



97, 17.328, 174.162



78, 71.742, 132.278



51, 11.998, 173.857



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, 44.746, 169.169



90, 59.027, 167.120



72, 30.951, 221.676



44, 4.781, 175.050



62, 52.311, 161.873



15, 19.135, 166.520

Inverse Universe

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



55, 53.145, 4.631



60, 71.860, 8.425



58, 49.397, 39.129



42, 4.912, 356.690



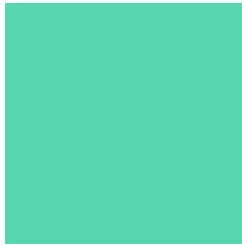
36, 64.785, 20.613



5, 22.282, 6.156

Previews

White Background



This preview shows how the CIE LCh color 78, 44.745, 169.170 looks on a white background.

Color Contrast Check

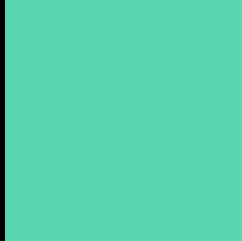
Large Text (above 18pt) WCAG AA × Fail

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, 44.745, 169.170 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

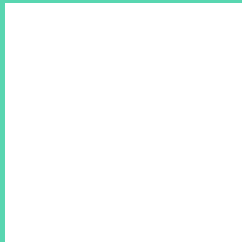
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 44.745, 169.170

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.745, 169.170.

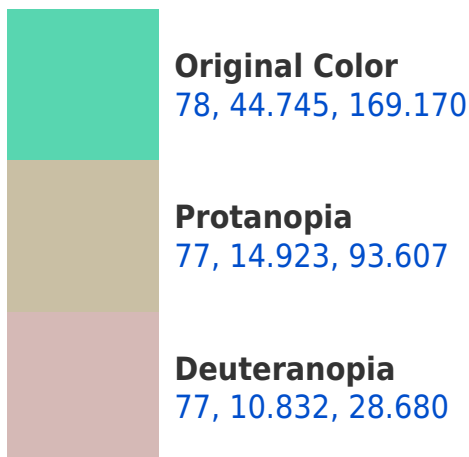


This preview shows how white text looks on a background with the CIELCh color 78, 44.745, 169.170.

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, 30.573, 214.958

Trichromacy



Original Color
78, 44.745, 169.170



Protanomaly
77, 22.156, 149.347



Deuteranomaly
76, 13.143, 160.616

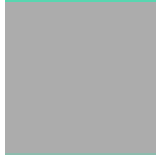


Tritanomaly
78, 33.089, 194.233

Monochromacy



Original Color
78, 44.745, 169.170



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 18.296, 173.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 44.745, 169.170 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(88, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(88, 214, 176)  
}
```

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(88, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 214, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 44.745, 169.170 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(88, 214, 176) }
```

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

```
.border{ border-color:rgb(88, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(88, 214,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 44.745, 169.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 214, 176) }
```

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

```
.background{ background-color: rgb(88, 214,  
176) }
```

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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