

Converting Colors

CIELCh(78, 46.961, 168.958)

Have a look what the booklet for
CIELCh(78, 46.961, 168.958)
contains.

CIELCh(78, 46.961, 168.958)	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, 46.961, 168.958)

Conversions

Conversions Part 1

Format	Color
Hex	50D7AF
RGB	80, 215, 175
RGB Percent	31%, 84%, 69%
CMY	0.6877, 0.1581, 0.3149
CMYK	0.63, 0.00, 0.19, 0.16
HSL	162°, 63%, 58%
HSV	162°, 63%, 84%
XYZ	35.2050, 53.2120, 48.8179
YIQ	170.0750, -67.6200, -41.0600

Conversions

Conversions Part 2

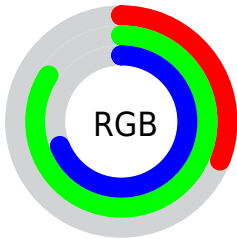
Format	Color
RYB	80, 159, 215
Decimal	5298095
CIELab	78.00, -46.09, 8.99
CIELCh	78, 46.961, 168.958
Yxy	53.2120, 0.2565, 0.3877
Android (android.graphics.Color)	4283488175 (0xFF50D7AF)
YUV	170.0750, 2.4280, -78.9958
Hunter-Lab	72.9466, -41.5098, 11.3840

Details

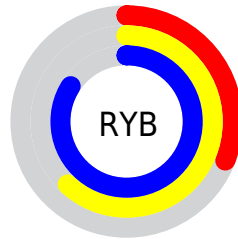
The CIELCh color **78, 46.961, 168.958** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 56.536, 6.115**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.907, 177.868**, and **58, 45.029, 168.498** is the 20% darker color. If you saturate the color by 10%, you get **77, 52.135, 167.316**, and if you desaturate by 10%, it is **79, 40.951, 170.426**.

Distribution



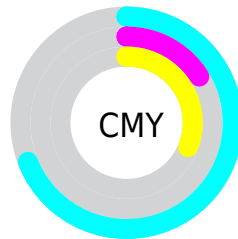
- Red (31%)
- Green (84%)
- Blue (69%)



- Red (31%)
- Yellow (62%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.961, 168.958 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, 46.961, 168.958 by changing the saturation by 10% instead.


 78, 46.961,
168.958


 78, 46.961,
168.958


 100, 46.961,
168.958


 68, 46.961,
168.958


 98, 46.961,
168.958

 58, 46.961,
168.958

 48, 46.961,
168.958

 38, 46.961,
168.958

 28, 46.961,
168.958

 18, 46.961,
168.958

 8, 46.961, 168.958

0, 46.961, 168.958

78, 46.961,
168.958

78, 46.961,
168.958

77, 52.135,
167.316

79, 40.951,
170.426

77, 56.429,
165.482

80, 34.199,
171.747

77, 59.879,
163.448

81, 26.833,
172.946

76, 61.958,
161.934

82, 18.996,
174.047

84, 10.827,
175.076

85, 2.452, 176.175

■ 87, 6.021, 356.767

■ 89, 14.503,
357.649

■ 90, 17.081,
349.218

Harmonies

Complementary

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



78, 46.961, 168.958



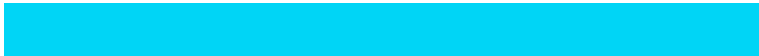
53, 56.536, 6.115

Rectangle

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



78, 46.961, 168.958



78, 46.961, 218.958



78, 46.961, 348.958



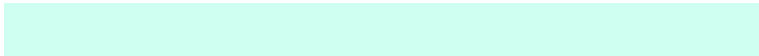
78, 46.961, 38.958

Sweetspot

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



78, 46.961, 168.957



96, 18.206, 174.436



78, 76.522, 132.573



51, 12.483, 174.135



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, 46.961, 168.957



90, 60.849, 166.818



71, 32.189, 225.012



44, 4.765, 175.428



62, 51.955, 162.305



15, 19.027, 166.923

Inverse Universe

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



53, 56.536, 6.115



58, 74.916, 10.331



57, 53.131, 40.741



42, 4.899, 357.068



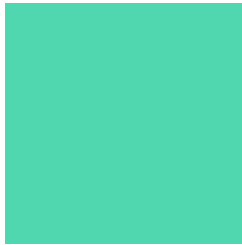
36, 64.951, 21.103



5, 22.265, 6.432

Previews

White Background



This preview shows how the CIELCh color 78, 46.961, 168.958 looks on a white background.

Color Contrast Check

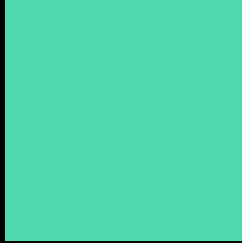
Large Text (above 18pt) WCAG AA × Fail

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, 46.961, 168.958 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

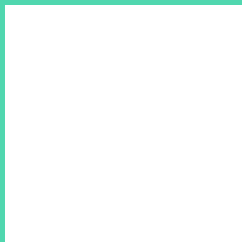
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 46.961, 168.958

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.961, 168.958.

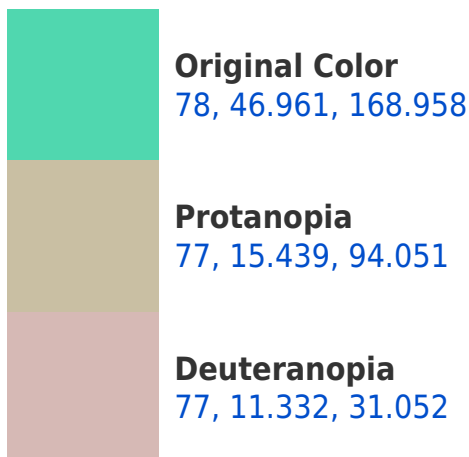


This preview shows how white text looks on a background with the CIELCh color 78, 46.961, 168.958.

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, 31.947, 214.089

Trichromacy



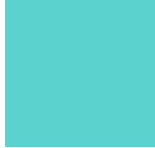
Original Color
78, 46.961, 168.958



Protanomaly
77, 23.924, 150.147



Deuteranomaly
77, 14.676, 159.852

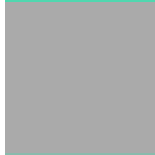


Tritanomaly
78, 34.719, 194.262

Monochromacy



Original Color
78, 46.961, 168.958



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 19.215, 174.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.961, 168.958 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(80, 215, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 215, 175)  
}
```

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(80, 215, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 215, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.961, 168.958 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(80, 215, 175) }
```

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

```
.border{ border-color:rgb(80, 215, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 215, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 215, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 215, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 215,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.961, 168.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 215, 175) }
```

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

```
.background{ background-color: rgb(80, 215,  
175) }
```

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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