

Converting Colors

CIELCh(76, 38.490, 178.558)

Have a look what the booklet for
CIELCh(76, 38.490, 178.558)
contains.

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Color

CIELCh(76, 38.490, 178.558)

Conversions

Conversions Part 1

Format	Color
Hex	58CEB8
RGB	88, 206, 184
RGB Percent	35%, 81%, 72%
CMY	0.6533, 0.1907, 0.2770
CMYK	0.57, 0.00, 0.11, 0.19
HSL	169°, 55%, 58%
HSV	169°, 57%, 81%
XYZ	34.9097, 49.8872, 53.3297
YIQ	168.2100, -63.2660, -31.8580

Conversions

Conversions Part 2

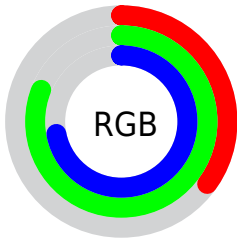
Format	Color
RYB	88, 153, 206
Decimal	5820088
CIELab	76.00, -38.48, 0.97
CIElCh	76, 38.490, 178.558
Yxy	49.8872, 0.2527, 0.3612
Android (android.graphics.Color)	4284010168 (0xFF58CEB8)
YUV	168.2100, 7.7845, -70.3442
Hunter-Lab	70.6309, -35.3794, 4.6748

Details

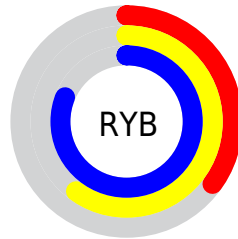
The CIELCh color **76, 38.490, 178.558** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **53, 49.939, 12.957**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.502, 184.211**, and **56, 38.524, 178.498** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.078, 177.277**, and if you desaturate by 10%, it is **77, 33.085, 179.727**.

Distribution



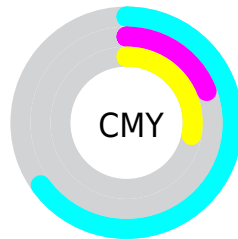
- Red (35%)
- Green (81%)
- Blue (72%)



- Red (35%)
- Yellow (60%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)





- Cyan (65%)
- Magenta (19%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.490, 178.558 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 76, 38.490, 178.558 by changing the saturation by 10% instead.


 76, 38.490,
178.558


 76, 38.490,
178.558


 100, 38.490,
178.558


 66, 38.490,
178.558


 96, 38.490,
178.558

 56, 38.490,
178.558

 46, 38.490,
178.558

 36, 38.490,
178.558

 26, 38.490,
178.558

 16, 38.490,
178.558

 6, 38.490, 178.558

0, 38.490, 178.558

76, 38.490,
178.558

76, 38.490,
178.558

75, 43.078,
177.277

77, 33.085,
179.727

75, 46.790,
175.863

78, 26.960,
180.808

75, 49.626,
174.296

79, 20.240,
181.822

74, 51.680,
172.570

80, 13.054,
182.786

74, 52.203,
172.077

82, 5.530, 183.746

83, 2.220, 4.280

85, 10.098, 5.299

■ 87, 18.023, 6.129

■ 87, 19.050, 0.738

Harmonies

Complementary

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



76, 38.490, 178.558



53, 49.939, 12.957

Rectangle

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



76, 38.490, 178.558



76, 38.490, 228.558



76, 38.490, 358.558



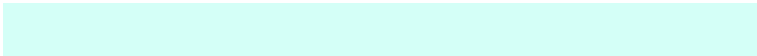
76, 38.490, 48.558

Sweetspot

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



76, 38.490, 178.557



97, 15.353, 182.782



75, 70.215, 135.423



51, 10.231, 182.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 38.490, 178.557



91, 51.800, 176.911



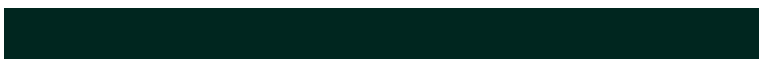
66, 29.667, 239.735



42, 4.326, 183.525



61, 44.191, 172.379



13, 15.686, 176.578

Inverse Universe

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



53, 49.939, 12.957



60, 71.124, 16.879



60, 43.597, 48.921



40, 4.496, 5.077



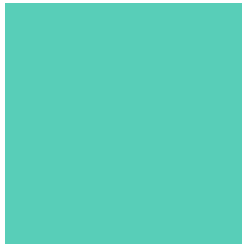
34, 67.619, 29.963



4, 18.178, 10.295

Previews

White Background



This preview shows how the CIELCh color 76, 38.490, 178.558 looks on a white background.

Color Contrast Check

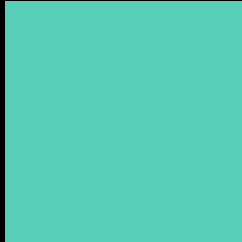
Large Text (above 18pt) WCAG AA × Fail

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 76, 38.490, 178.558 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

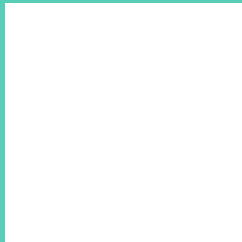
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 38.490, 178.558

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.490, 178.558.

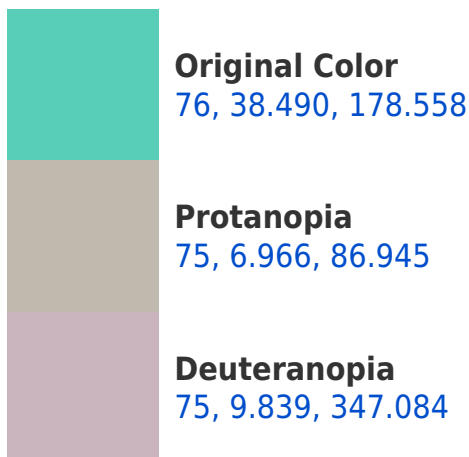


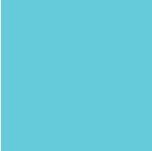
This preview shows how white text looks on a background with the CIELCh color 76, 38.490, 178.558.

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
76, 30.248, 214.133

Trichromacy



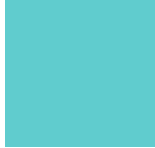
Original Color
76, 38.490, 178.558



Protanomaly
75, 16.690, 166.943



Deuteranomaly
75, 10.428, 192.661

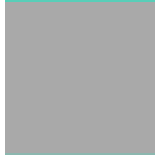


Tritanomaly
76, 32.040, 199.057

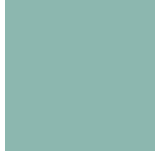
Monochromacy



Original Color
76, 38.490, 178.558



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 16.011, 182.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.490, 178.558 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, 206, 184)` looks like.

```
.text, #text, p{  
    color:rgb(88, 206, 184)  
}
```

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, 206, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 206, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.490, 178.558 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, 206, 184) }
```

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

```
.border{ border-color:rgb(88, 206, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 206, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 206, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 206, 184);  
box-shadow:4px 4px 4px 4px rgb(88, 206,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.490, 178.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 206, 184) }
```

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

```
.background{ background-color: rgb(88, 206,  
184) }
```

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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