

Converting Colors

CIELCh(80, 41.668, 177.730)

Have a look what the booklet for
CIELCh(80, 41.668, 177.730)
contains.

CIELCh(80, 41.682, 177.762)	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(80, 41.682, 177.762)

Conversions

Conversions Part 1

Format	Color
Hex	59DBC2
RGB	89, 219, 194
RGB Percent	35%, 86%, 76%
CMY	0.6510, 0.1412, 0.2392
CMYK	0.59, 0.00, 0.11, 0.14
HSL	168°, 64%, 60%
HSV	168°, 59%, 86%
XYZ	39.1884, 56.6813, 59.9134
YIQ	177.2800, -69.4550, -35.3350

Conversions

Conversions Part 2

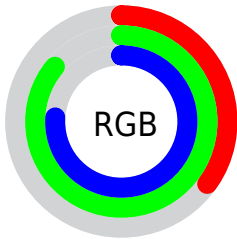
Format	Color
R_{YB}	89, 161, 219
Decimal	5888962
CIE _{Lab}	80.00, -41.65, 1.63
CIE _{LCh}	80, 41.682, 177.762
Yxy	56.6813, 0.2516, 0.3638
Android (android.graphics.Color)	4284079042 (0xFF59DBC2)
YUV	177.2800, 8.2430, -77.4216
Hunter-Lab	75.2870, -38.8393, 5.5179

Details

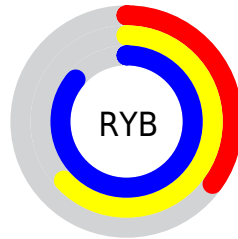
The CIELCh color **80, 41.682, 177.762** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 54.403, 13.176**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.414, 192.806**, and **60, 41.261, 177.405** is the 20% darker color. If you saturate the color by 10%, you get **79, 46.324, 176.426**, and if you desaturate by 10%, it is **81, 36.162, 178.976**.

Distribution



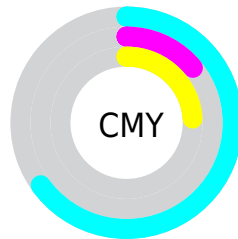
- Red (35%)
- Green (86%)
- Blue (76%)



- Red (35%)
- Yellow (63%)
- Blue (86%)



- Cyan (59%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.682, 177.762 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 80, 41.682, 177.762 by changing the saturation by 10% instead.


 80, 41.682,
177.762


 80, 41.682,
177.762


 100, 41.682,
177.762


 70, 41.682,
177.762

 60, 41.682,
177.762

 50, 41.682,
177.762

 40, 41.682,
177.762

 30, 41.682,
177.762

 20, 41.682,
177.762

 10, 41.682,

177.762

0, 41.682, 177.762

80, 41.682,
177.762

80, 41.682,
177.762

79, 46.324,
176.426

81, 36.162,
178.976

79, 50.040,
174.948

82, 29.862,
180.094

79, 52.847,
173.308

83, 22.907,
181.136

78, 54.909,
171.522

84, 15.435,
182.121

78, 55.033,
171.409

86, 7.582, 183.081

88, 0.529, 2.854

■ 89, 8.790, 4.676

■ 91, 13.847, 1.504

■ 91, 14.628,
353.367

Harmonies

Complementary

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



80, 41.682, 177.762



56, 54.403, 13.176

Rectangle

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



80, 41.682, 177.762



80, 41.682, 227.762



80, 41.682, 357.762



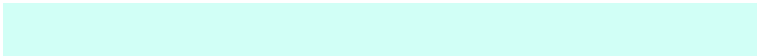
80, 41.682, 47.762

Sweetspot

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



80, 41.682, 177.761



97, 16.272, 182.237



79, 76.132, 135.268



51, 11.245, 181.954



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 41.682, 177.761



91, 52.994, 176.107



69, 31.983, 240.374



45, 4.603, 183.074



63, 46.056, 171.721



16, 17.748, 175.265

Inverse Universe

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



56, 54.403, 13.176



59, 72.881, 17.171



63, 47.924, 48.887



43, 4.782, 4.650



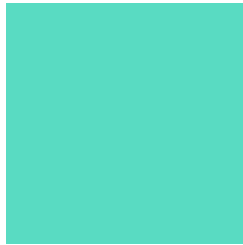
36, 69.778, 29.748



5, 23.738, 11.955

Previews

White Background



This preview shows how the CIELCh color 80, 41.682, 177.762 looks on a white background.

Color Contrast Check

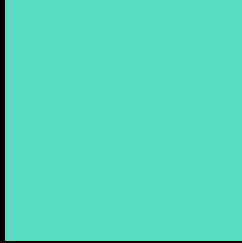
Large Text (above 18pt) WCAG AA × Fail

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 80, 41.682, 177.762 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

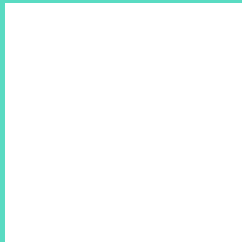
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 41.682, 177.762

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.682, 177.762.

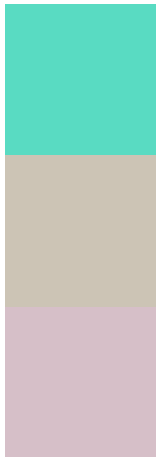


This preview shows how white text looks on a background with the CIELCh color 80, 41.682, 177.762.

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](#).

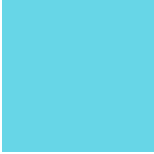
Dichromacy



Original Color
80, 41.682, 177.762

Protanopia
79, 8.518, 88.513

Deuteranopia
79, 9.786, 350.895



Tritanopia
80, 32.439, 213.742

Trichromacy



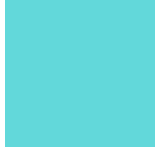
Original Color
80, 41.682, 177.762



Protanomaly
79, 18.023, 165.813



Deuteranomaly
79, 11.448, 190.498

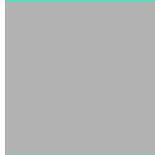


Tritanomaly
80, 34.263, 198.856

Monochromacy



Original Color
80, 41.682, 177.762



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 17.356, 181.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.682, 177.762 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(89, 219, 194)` looks like.

```
.text, #text, p{  
    color:rgb(89, 219, 194)  
}
```

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(89, 219, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 219, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.682, 177.762 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(89, 219, 194) }
```

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

```
.border{ border-color:rgb(89, 219, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 219, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 219, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 219, 194);  
box-shadow:4px 4px 4px 4px rgb(89, 219,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.682, 177.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 219, 194) }
```

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

```
.background{ background-color: rgb(89, 219,  
194) }
```

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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