

Converting Colors

CIELCh(82, 46.655, 177.578)

Have a look what the booklet for
CIELCh(82, 46.655, 177.578)
contains.

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Color

CIELCh(82, 46.688, 177.616)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 48E3C7 |
| RGB | 72, 227, 199 |
| RGB Percent | 28%, 89%, 78% |
| CMY | 0.7187, 0.1107, 0.2204 |
| CMYK | 0.68, 0.00, 0.12, 0.11 |
| HSL | 169°, 73%, 59% |
| HSV | 169°, 68%, 89% |
| XYZ | 40.3442, 60.2982, 63.4165 |
| YIQ | 177.4630, -83.3920, -41.5680 |

Conversions

Conversions Part 2

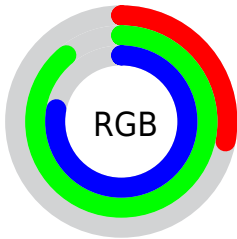
| Format | Color |
|-------------------------------------|---|
| RYB | 72, 157, 227 |
| Decimal | 4776903 |
| CIELab | 82.00, -46.65, 1.94 |
| CIELCh | 82, 46.688, 177.616 |
| Yxy | 60.2982, 0.2459, 0.3675 |
| Android (android.graphics.Color) | 4282966983 (0xFF48E3C7) |
| YUV | 177.4630, 10.6177, -92.4911 |
| Hunter-Lab | 77.6519, -43.1507, 5.9356 |

Details

The CIELCh color **82, 46.688, 177.616** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **54, 64.254, 16.974**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **63, 43.345, 176.090** is the 20% darker color. If you saturate the color by 10%, you get **82, 50.484, 176.195**, and if you desaturate by 10%, it is **83, 41.933, 178.900**.

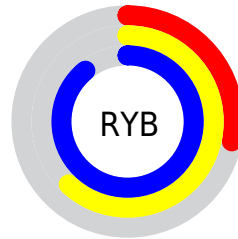
Distribution



Red (28%)

Green (89%)

Blue (78%)



Red (28%)

Yellow (62%)

Blue (89%)

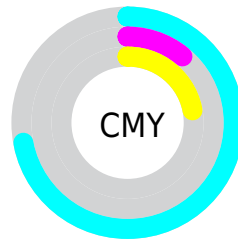


Cyan (68%)

Magenta (0%)

Yellow (12%)

Black (11%)



Cyan (72%)


Magenta (11%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 46.688, 177.616 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 82, 46.688, 177.616 by changing the saturation by 10% instead.


 82, 46.688,
177.616


 82, 46.688,
177.616


 100, 46.688,
177.616


 72, 46.688,
177.616

 62, 46.688,
177.616

 52, 46.688,
177.616

 42, 46.688,
177.616

 32, 46.688,
177.616

 22, 46.688,
177.616

 12, 46.688,

177.616

■ 2, 46.688, 177.616

■ 0, 46.688, 177.616

■ 82, 46.688,
177.616

■ 82, 46.688,
177.616

■ 82, 50.484,
176.195

■ 83, 41.933,
178.900

■ 81, 53.336,
174.619

■ 84, 36.273,
180.075

■ 81, 55.375,
172.892

■ 85, 29.810,
181.160

■ 81, 55.677,
172.611

■ 86, 22.675,
182.177


■ 87, 15.009,

183.143

 89, 6.953, 184.095

 90, 1.369, 4.471

 92, 9.847, 5.666

 93, 11.139,
356.035

Harmonies

Complementary

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



82, 46.688, 177.616



54, 64.254, 16.974

Rectangle

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



82, 46.688, 177.616



82, 46.688, 227.616



82, 46.688, 357.616



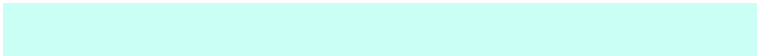
82, 46.688, 47.616

Sweetspot

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



82, 46.688, 177.615



96, 18.762, 182.880



81, 88.368, 135.101



51, 12.624, 182.613



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 46.688, 177.615



90, 56.580, 175.559



68, 36.730, 245.856



46, 4.667, 183.991



64, 45.882, 172.932



17, 18.173, 176.153

Inverse Universe

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



54, 64.254, 16.974



56, 82.610, 22.778



62, 58.134, 50.174



44, 4.855, 5.554



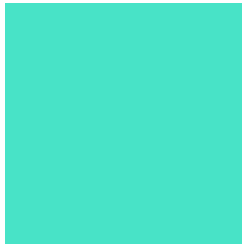
37, 71.127, 30.671



6, 25.283, 13.301

Previews

White Background



This preview shows how the CIELCh color 82, 46.688, 177.616 looks on a white background.

Color Contrast Check

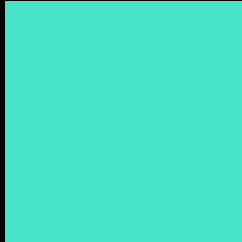
Large Text (above 18pt) WCAG AA × Fail

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 82, 46.688, 177.616 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

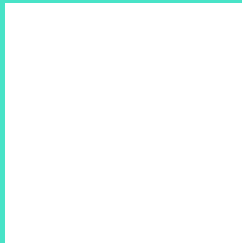
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 46.688, 177.616

Background



This preview shows how black text looks on a background with the CIELCh color 82, 46.688, 177.616.

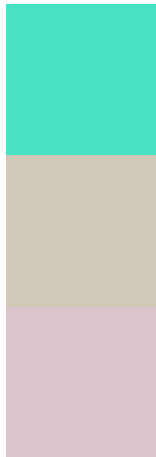


This preview shows how white text looks on a background with the CIELCh color 82, 46.688, 177.616.

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
82, 46.688, 177.616

Protanopia
82, 9.469, 90.680

Deuteranopia
81, 10.066, 351.948

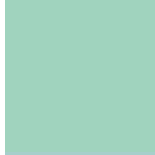


Tritanopia
82, 35.971, 212.734

Trichromacy



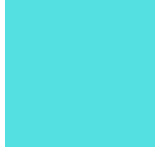
Original Color
82, 46.688, 177.616



Protanomaly
81, 21.420, 166.425



Deuteranomaly
80, 14.467, 189.864

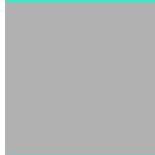


Tritanomaly
82, 38.302, 197.641

Monochromacy



Original Color
82, 46.688, 177.616



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 20.273, 182.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 46.688, 177.616 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(72, 227, 199)` looks like.

```
.text, #text, p{  
    color:rgb(72, 227, 199)  
}
```

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(72, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 227, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 46.688, 177.616 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(72, 227, 199) }
```

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

```
.border{ border-color:rgb(72, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 227, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 227, 199);  
box-shadow:4px 4px 4px 4px rgb(72, 227,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 46.688, 177.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 227, 199) }
```

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

```
.background{ background-color: rgb(72, 227,  
199) }
```

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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