

Converting Colors

CIELCh(80, 37.465, 206.631)

Have a look what the booklet for
CIELCh(80, 37.465, 206.631)
contains.

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Color

CIELCh(80, 37.576, 206.009)

Conversions

Conversions Part 1

Format	Color
Hex	4CD9E4
RGB	76, 217, 228
RGB Percent	30%, 85%, 89%
CMY	0.7026, 0.1495, 0.1064
CMYK	0.67, 0.05, 0.00, 0.11
HSL	184°, 74%, 60%
HSV	184°, 67%, 89%
XYZ	41.7308, 56.6813, 82.0440
YIQ	176.0950, -87.5670, -26.4710

Conversions

Conversions Part 2

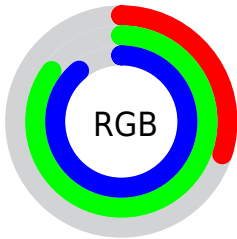
Format	Color
RYB	76, 149, 228
Decimal	5036516
CIELab	80.00, -33.77, -16.48
CIELCh	80, 37.576, 206.009
Yxy	56.6813, 0.2313, 0.3141
Android (android.graphics.Color)	4283226596 (0xFF4CD9E4)
YUV	176.0950, 25.5892, -87.7833
Hunter-Lab	75.2870, -32.8115, -11.9104

Details

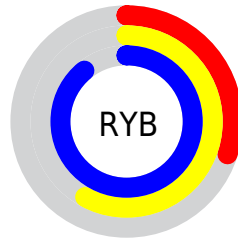
The CIELCh color **80, 37.576, 206.009** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 64.638, 33.113**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **61, 34.530, 207.096** is the 20% darker color. If you saturate the color by 10%, you get **79, 39.954, 206.631**, and if you desaturate by 10%, it is **81, 34.202, 205.592**.

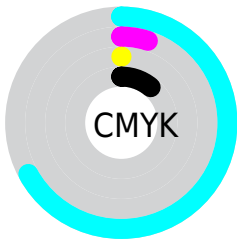
Distribution



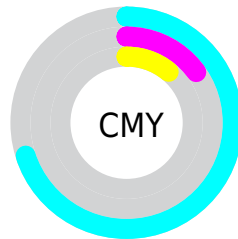
- Red (30%)
- Green (85%)
- Blue (89%)



- Red (30%)
- Yellow (58%)
- Blue (89%)



- Cyan (67%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (70%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.576, 206.009 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, 37.576, 206.009 by changing the saturation by 10% instead.


 80, 37.576,
206.009


 80, 37.576,
206.009


 100, 37.576,
206.009


 70, 37.576,
206.009


 60, 37.576,
206.009

 50, 37.576,
206.009

 40, 37.576,
206.009

 30, 37.576,
206.009

 20, 37.576,
206.009

 10, 37.576,

206.009

0, 37.576, 206.009

80, 37.576,
206.009

80, 37.576,
206.009

79, 39.954,
206.631

81, 34.202,
205.592

78, 41.360,
207.485

82, 29.873,
205.358

78, 41.898,
208.585

84, 24.673,
205.279

78, 41.976,
208.976

85, 18.713,
205.332

87, 12.117,
205.501

■ 89, 5.008, 205.810

■ 91, 2.499, 25.745

■ 93, 9.148, 26.998

■ 94, 8.703, 32.944

Harmonies

Complementary

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



80, 37.576, 206.009



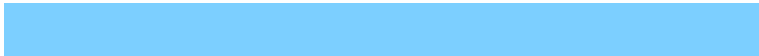
56, 64.638, 33.113

Rectangle

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



80, 37.576, 206.009



80, 37.576, 256.009



80, 37.576, 26.009



80, 37.576, 76.009

Sweetspot

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



80, 37.575, 206.008



96, 15.706, 205.431



81, 87.423, 139.974



50, 10.613, 205.383



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, 37.575, 206.008



87, 44.200, 206.925



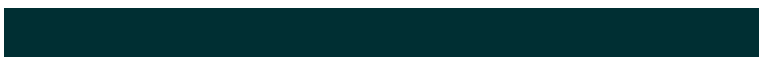
58, 50.300, 277.185



47, 4.227, 205.703



62, 35.011, 208.757



17, 14.867, 206.684

Inverse Universe

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



59, 85.181, 330.088



62, 103.331, 330.673



71, 55.590, 73.102



45, 7.906, 326.965



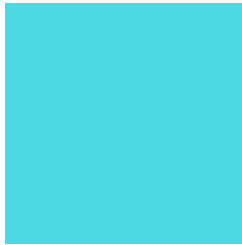
42, 83.561, 331.329



8, 35.373, 330.820

Previews

White Background



This preview shows how the CIE LCh color 80, 37.576, 206.009 looks on a white background.

Color Contrast Check

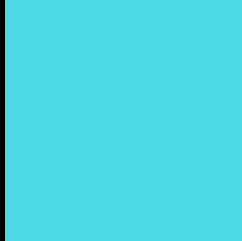
Large Text (above 18pt) WCAG AA × Fail

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 80, 37.576, 206.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

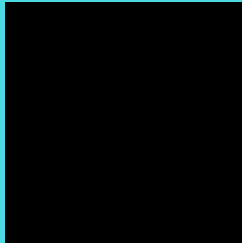
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 37.576, 206.009

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.576, 206.009.

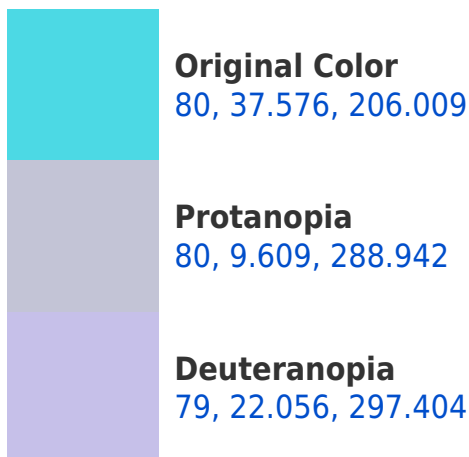


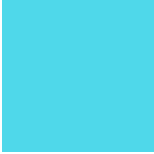
This preview shows how white text looks on a background with the CIELCh color 80, 37.576, 206.009.

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](#).

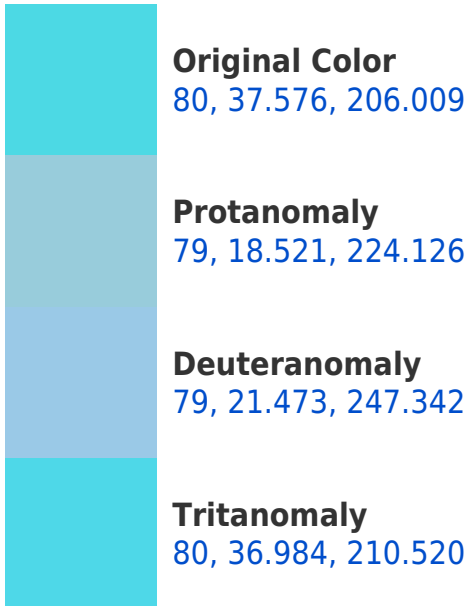
Dichromacy



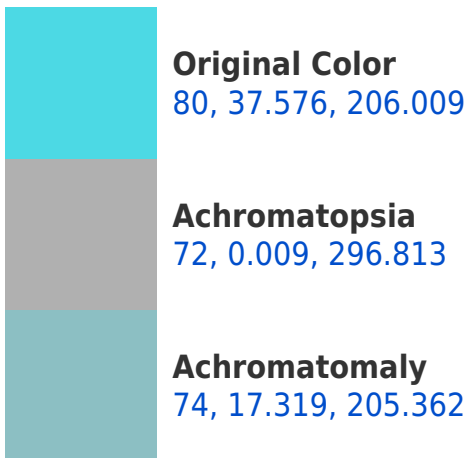


Tritanopia
80, 36.852, 212.337

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.576, 206.009 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(76, 217, 228)` looks like.

```
.text, #text, p{  
    color:rgb(76, 217, 228)  
}
```

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(76, 217, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 217, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.576, 206.009 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(76, 217, 228) }
```

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

```
.border{ border-color:rgb(76, 217, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 217, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 217, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 217, 228);  
box-shadow:4px 4px 4px 4px rgb(76, 217,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.576, 206.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 217, 228) }
```

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

```
.background{ background-color: rgb(76, 217,  
228) }
```

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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