

Converting Colors

CIELCh(80, 37.137, 200.869)

Have a look what the booklet for
CIELCh(80, 37.137, 200.869)
contains.

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Color

CIELCh(80, 37.049, 201.073)

Conversions

Conversions Part 1

Format	Color
Hex	52D9DE
RGB	82, 217, 222
RGB Percent	32%, 85%, 87%
CMY	0.6785, 0.1491, 0.1295
CMYK	0.63, 0.02, 0.00, 0.13
HSL	182°, 68%, 60%
HSV	182°, 63%, 87%
XYZ	41.4676, 56.6813, 77.8490
YIQ	177.2050, -82.0650, -27.0650

Conversions

Conversions Part 2

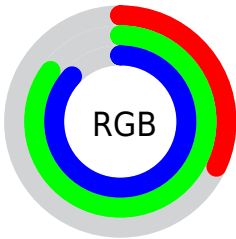
Format	Color
RYB	82, 151, 222
Decimal	5429726
CIELab	80.00, -34.57, -13.32
CIElCh	80, 37.049, 201.073
Yxy	56.6813, 0.2356, 0.3221
Android (android.graphics.Color)	4283619806 (0xFF52D9DE)
YUV	177.2050, 22.0839, -83.4948
Hunter-Lab	75.2870, -33.4356, -8.6067

Details

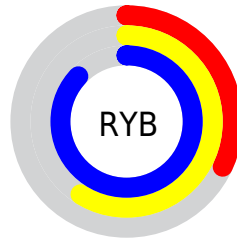
The CIELCh color **80, 37.049, 201.073** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **55, 60.680, 30.234**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **60, 35.032, 201.166** is the 20% darker color. If you saturate the color by 10%, you get **79, 39.885, 201.214**, and if you desaturate by 10%, it is **81, 33.231, 201.054**.

Distribution



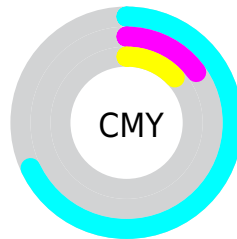
- Red (32%)
- Green (85%)
- Blue (87%)



- Red (32%)
- Yellow (59%)
- Blue (87%)



- Cyan (63%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)





- Cyan (68%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.049, 201.073 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, 37.049, 201.073 by changing the saturation by 10% instead.


 80, 37.049,
201.073


 80, 37.049,
201.073


 100, 37.049,
201.073


 70, 37.049,
201.073

 60, 37.049,
201.073

 50, 37.049,
201.073

 40, 37.049,
201.073

 30, 37.049,
201.073

 20, 37.049,
201.073

 10, 37.049,

201.073

0, 37.049, 201.073

80, 37.049,
201.073

80, 37.049,
201.073

79, 39.885,
201.214

81, 33.231,
201.054

79, 41.741,
201.490

82, 28.486,
201.150

78, 42.686,
201.904

83, 22.905,
201.348

78, 42.955,
202.256

85, 16.603,
201.635

86, 9.706, 202.010

88, 2.337, 202.612

■ 90, 5.390, 22.697

■ 91, 11.661, 23.563

■ 92, 11.403, 25.661

Harmonies

Complementary

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



80, 37.049, 201.073



55, 60.680, 30.234

Rectangle

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



80, 37.049, 201.073



80, 37.049, 251.073



80, 37.049, 21.073



80, 37.049, 71.073

Sweetspot

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



80, 37.049, 201.072



96, 15.505, 201.771



79, 83.544, 139.633



51, 10.570, 201.670



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, 37.049, 201.072



90, 45.137, 201.295



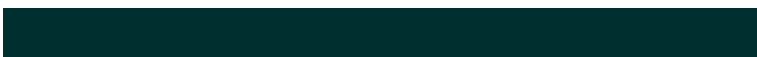
60, 44.260, 272.635



46, 4.297, 202.174



63, 36.136, 202.161



17, 14.955, 201.178

Inverse Universe

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



59, 82.117, 328.685



63, 103.382, 329.168



70, 50.875, 70.571



44, 7.959, 325.913



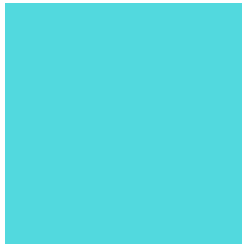
41, 85.085, 329.698



8, 35.080, 329.444

Previews

White Background



This preview shows how the CIE LCh color 80, 37.049, 201.073 looks on a white background.

Color Contrast Check

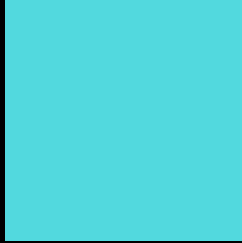
Large Text (above 18pt) WCAG AA × Fail

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, 37.049, 201.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

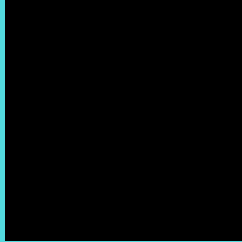
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 37.049, 201.073

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.049, 201.073.

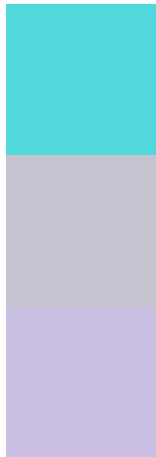


This preview shows how white text looks on a background with the CIELCh color 80, 37.049, 201.073.

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, 37.049, 201.073

Protanopia
80, 6.956, 293.751

Deuteranopia
79, 19.023, 301.216



Tritanopia
80, 35.456, 213.044

Trichromacy



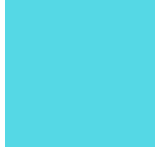
Original Color
80, 37.049, 201.073



Protanomaly
79, 16.980, 216.769



Deuteranomaly
79, 18.619, 242.495

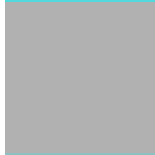


Tritanomaly
80, 35.956, 208.293

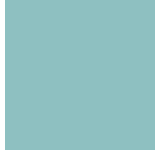
Monochromacy



Original Color
80, 37.049, 201.073



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 17.062, 199.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.049, 201.073 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(82, 217, 222)` looks like.

```
.text, #text, p{  
    color:rgb(82, 217, 222)  
}
```

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(82, 217, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 217, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.049, 201.073 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(82, 217, 222) }
```

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

```
.border{ border-color:rgb(82, 217, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 217, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 217, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 217, 222);  
box-shadow:4px 4px 4px 4px rgb(82, 217,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.049, 201.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 217, 222) }
```

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

```
.background{ background-color: rgb(82, 217,  
222) }
```

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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