

Converting Colors

CIELCh(80, 40.707, 200.942)

Have a look what the booklet for
CIELCh(80, 40.707, 200.942)
contains.

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Color

CIELCh(80, 40.874, 200.449)

Conversions

Conversions Part 1

Format	Color
Hex	37DBE0
RGB	55, 219, 224
RGB Percent	22%, 86%, 88%
CMY	0.7825, 0.1425, 0.1228
CMYK	0.75, 0.02, 0.00, 0.12
HSL	182°, 73%, 55%
HSV	182°, 75%, 88%
XYZ	40.2569, 56.6813, 79.1082
YIQ	170.5340, -99.3490, -33.2130

Conversions

Conversions Part 2

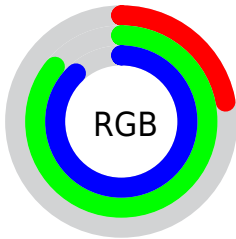
Format	Color
RYB	55, 138, 224
Decimal	3660768
CIELab	80.00, -38.30, -14.28
CIELCh	80, 40.874, 200.449
Yxy	56.6813, 0.2287, 0.3220
Android (android.graphics.Color)	4281850848 (0xFF37DBE0)
YUV	170.5340, 26.3587, -101.3233
Hunter-Lab	75.2870, -36.3060, -9.5984

Details

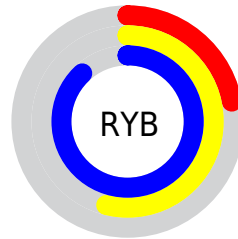
The CIELCh color **80, 40.874, 200.449** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **51, 74.434, 33.425**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.655, 197.170**, and **61, 35.088, 202.109** is the 20% darker color. If you saturate the color by 10%, you get **80, 42.561, 200.678**, and if you desaturate by 10%, it is **81, 38.208, 200.340**.

Distribution



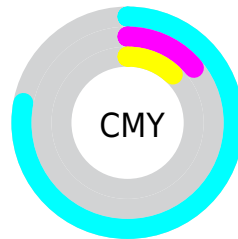
- Red (22%)
- Green (86%)
- Blue (88%)



- Red (22%)
- Yellow (54%)
- Blue (88%)



- Cyan (75%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)




- Cyan (78%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 40.874, 200.449 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, 40.874, 200.449 by changing the saturation by 10% instead.


 80, 40.874,
200.449


 80, 40.874,
200.449


 100, 40.874,
200.449


 70, 40.874,
200.449

 60, 40.874,
200.449

 50, 40.874,
200.449

 40, 40.874,
200.449

 30, 40.874,
200.449

 20, 40.874,
200.449

 10, 40.874,

200.449

■ 0, 40.874, 200.449

■ 80, 40.874,
200.449

■ 80, 40.874,
200.449

■ 80, 42.561,
200.678

■ 81, 38.208,
200.340

■ 79, 43.357,
201.031

■ 81, 34.548,
200.348

■ 79, 43.539,
201.230

■ 82, 29.936,
200.463

■ 84, 24.456,
200.676

■ 85, 18.222,
200.975

■ 86, 11.358,
201.356

■ 88, 3.991, 201.872

■ 90, 3.761, 22.026

■ 92, 11.131, 22.734

Harmonies

Complementary

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



80, 40.874, 200.449



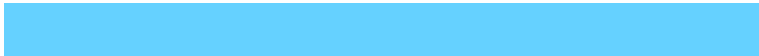
51, 74.434, 33.425

Rectangle

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



80, 40.874, 200.449



80, 40.874, 250.449



80, 40.874, 20.449



80, 40.874, 70.449

Sweetspot

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



80, 40.873, 200.448



96, 18.629, 201.045



79, 96.391, 137.852



51, 12.726, 200.921



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, 40.873, 200.448



89, 47.583, 200.856



56, 51.495, 275.471



46, 4.322, 201.621



63, 36.415, 201.150



17, 15.055, 200.345

Inverse Universe

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



56, 93.116, 328.917



61, 110.972, 329.302



66, 61.449, 67.153



44, 7.991, 325.746



41, 85.484, 329.445



8, 35.221, 329.235

Previews

White Background



This preview shows how the CIE LCh color 80, 40.874, 200.449 looks on a white background.

Color Contrast Check

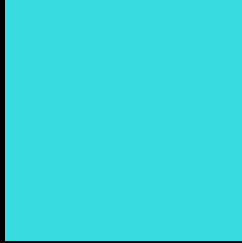
Large Text (above 18pt) WCAG AA × Fail

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, 40.874, 200.449 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, 40.874, 200.449

Background



This preview shows how black text looks on a background with the CIELCh color 80, 40.874, 200.449.

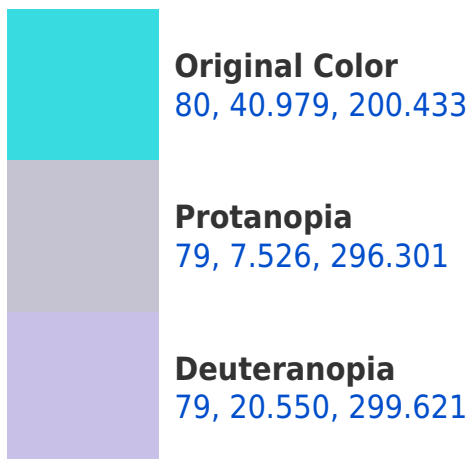


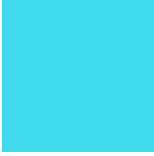
This preview shows how white text looks on a background with the CIELCh color 80, 40.874, 200.449.

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



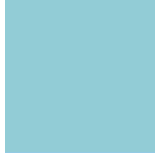


Tritanopia
80, 38.961, 211.362

Trichromacy



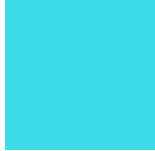
Original Color
80, 40.979, 200.433



Protanomaly
79, 19.529, 214.129



Deuteranomaly
78, 21.813, 238.336

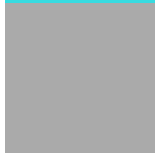


Tritanomaly
80, 39.583, 207.028

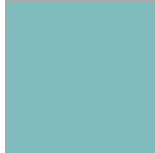
Monochromacy



Original Color
80, 40.979, 200.433



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 20.050, 201.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 40.874, 200.449 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(55, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(55, 219, 224)  
}
```

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(55, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 219, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 40.874, 200.449 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(55, 219, 224) }
```

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

```
.border{ border-color:rgb(55, 219, 224) }
```

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

Here you see how a box with a 4 pixel rgb(55, 219, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(55, 219,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 40.874, 200.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 219, 224) }
```

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

```
.background{ background-color: rgb(55, 219,  
224) }
```

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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