

Converting Colors

CIELCh(80, 48.624, 171.612)

Have a look what the booklet for
CIELCh(80, 48.624, 171.612)
contains.

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Color

CIELCh(80, 48.423, 171.986)

Conversions

Conversions Part 1

Format	Color
Hex	47DDB8
RGB	71, 221, 184
RGB Percent	28%, 87%, 72%
CMY	0.7202, 0.1323, 0.2774
CMYK	0.68, 0.00, 0.17, 0.13
HSL	165°, 69%, 57%
HSV	165°, 68%, 87%
XYZ	37.2317, 56.6813, 54.4685
YIQ	171.9320, -77.5230, -43.3070

Conversions

Conversions Part 2

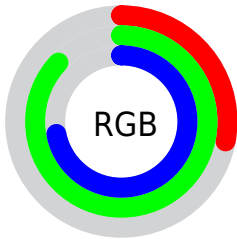
Format	Color
RYB	71, 157, 221
Decimal	4709816
CIELab	80.00, -47.95, 6.75
CIElCh	80, 48.423, 171.986
Yxy	56.6813, 0.2509, 0.3820
Android (android.graphics.Color)	4282899896 (0xFF47DDB8)
YUV	171.9320, 5.9495, -88.5174
Hunter-Lab	75.2870, -43.4786, 9.8059

Details

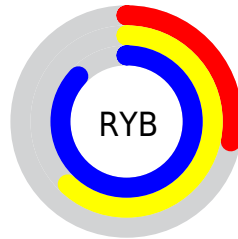
The CIELCh color **80, 48.423, 171.986** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 61.830, 11.499**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.325, 185.021**, and **60, 45.132, 170.409** is the 20% darker color. If you saturate the color by 10%, you get **79, 52.813, 170.354**, and if you desaturate by 10%, it is **81, 43.126, 173.449**.

Distribution



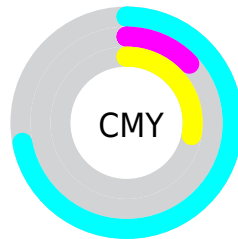
- Red (28%)
- Green (87%)
- Blue (72%)



- Red (28%)
- Yellow (62%)
- Blue (87%)



- Cyan (68%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)



- Cyan (72%)
- Magenta (13%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 48.423, 171.986 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, 48.423, 171.986 by changing the saturation by 10% instead.

 80, 48.423,
171.986


 80, 48.423,
171.986


 100, 48.423,
171.986


 70, 48.423,
171.986

 60, 48.423,
171.986

 50, 48.423,
171.986

 40, 48.423,
171.986

 30, 48.423,
171.986

 20, 48.423,
171.986

 10, 48.423,

171.986

■ 0, 48.423, 171.986

■ 80, 48.423,
171.986

■ 80, 48.423,
171.986

■ 79, 52.813,
170.354

■ 81, 43.126,
173.449

■ 79, 56.295,
168.538

■ 82, 36.987,
174.770

■ 79, 58.976,
166.544

■ 83, 30.119,
175.973

■ 79, 59.533,
166.096

■ 84, 22.656,
177.081

■ 85, 14.742,
178.116

■ 87, 6.513, 179.120

■ 89, 1.909, 359.662

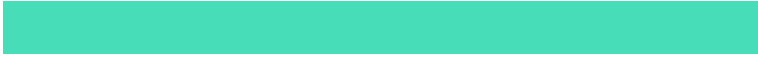
■ 91, 10.421, 0.750

■ 91, 13.698,
353.147

Harmonies

Complementary

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



80, 48.423, 171.986



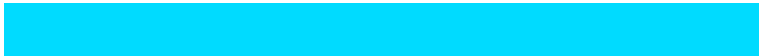
53, 61.830, 11.499

Rectangle

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



80, 48.423, 171.986



80, 48.423, 221.986



80, 48.423, 351.986



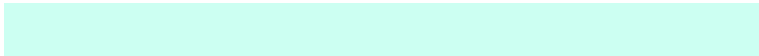
80, 48.423, 41.986

Sweetspot

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



80, 48.423, 171.985



96, 18.566, 177.872



79, 84.514, 133.647



51, 12.608, 177.581



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, 48.423, 171.985



90, 60.411, 169.670



70, 34.525, 234.503



45, 4.727, 178.949



63, 49.371, 166.460



16, 18.783, 170.496

Inverse Universe

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



53, 61.830, 11.499



56, 79.874, 16.939



59, 58.057, 44.842



43, 4.883, 0.580



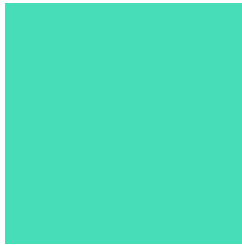
36, 67.441, 25.442



5, 23.794, 9.558

Previews

White Background



This preview shows how the CIELCh color 80, 48.423, 171.986 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, 48.423, 171.986 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

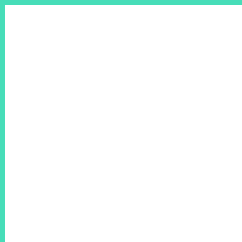
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 48.423, 171.986

Background



This preview shows how black text looks on a background with the CIELCh color 80, 48.423, 171.986.

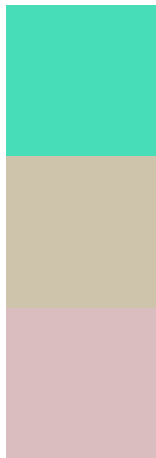


This preview shows how white text looks on a background with the CIELCh color 80, 48.423, 171.986.

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, 48.423, 171.986

Protanopia
79, 13.825, 92.659

Deuteranopia
79, 10.580, 17.342



Tritanopia
80, 34.444, 212.635

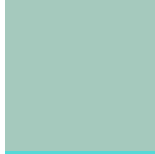
Trichromacy



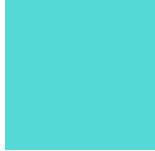
Original Color
80, 48.423, 171.986



Protanomaly
78, 23.490, 156.508



Deuteranomaly
78, 14.517, 172.036

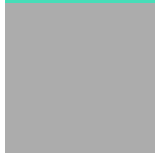


Tritanomaly
80, 37.311, 195.180

Monochromacy



Original Color
80, 48.423, 171.986



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 20.944, 176.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 48.423, 171.986 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(71, 221, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 221, 184)  
}
```

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(71, 221, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 221, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 48.423, 171.986 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(71, 221, 184) }
```

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

```
.border{ border-color:rgb(71, 221, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 221, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 221, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 221, 184);  
box-shadow:4px 4px 4px 4px rgb(71, 221,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 48.423, 171.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 221, 184) }
```

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

```
.background{ background-color: rgb(71, 221,  
184) }
```

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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