

Converting Colors

CIELCh(80, 46.280, 153.863)

Have a look what the booklet for
CIELCh(80, 46.280, 153.863)
contains.

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Color

CIELCh(80, 46.337, 153.979)

Conversions

Conversions Part 1

Format	Color
Hex	79DA9F
RGB	121, 218, 159
RGB Percent	47%, 85%, 62%
CMY	0.5257, 0.1453, 0.3766
CMYK	0.45, 0.00, 0.27, 0.15
HSL	144°, 57%, 66%
HSV	144°, 45%, 85%
XYZ	39.1916, 56.6813, 41.6555
YIQ	182.2710, -38.8730, -38.9130

Conversions

Conversions Part 2

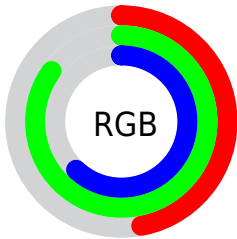
Format	Color
RYB	121, 191, 218
Decimal	7985823
CIELab	80.00, -41.64, 20.33
CIELCh	80, 46.337, 153.979
Yxy	56.6813, 0.2850, 0.4121
Android (android.graphics.Color)	4286175903 (0xFF79DA9F)
YUV	182.2710, -11.4726, -53.7347
Hunter-Lab	75.2870, -38.8317, 19.8963

Details

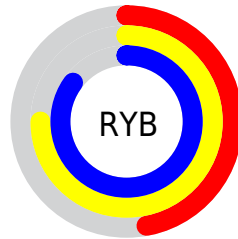
The CIELCh color $80, 46.337, 153.979$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $63, 47.491, 342.167$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 34.326, 159.455$, and $60, 46.296, 153.998$ is the 20% darker color. If you saturate the color by 10%, you get $79, 55.837, 152.617$, and if you desaturate by 10%, it is $81, 36.301, 155.169$.

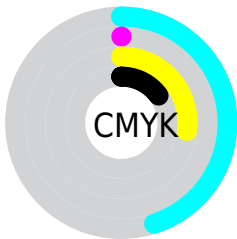
Distribution



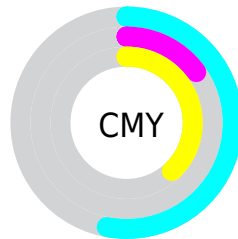
- Red (47%)
- Green (85%)
- Blue (62%)



- Red (47%)
- Yellow (75%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (15%)





- Cyan (53%)
- Magenta (15%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 46.337, 153.979 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, 46.337, 153.979 by changing the saturation by 10% instead.


 80, 46.337,
153.979


 80, 46.337,
153.979


 100, 46.337,
153.979


 70, 46.337,
153.979

 60, 46.337,
153.979

 50, 46.337,
153.979

 40, 46.337,
153.979

 30, 46.337,
153.979

 20, 46.337,
153.979

 10, 46.337,

153.979

■ 0, 46.337, 153.979

■ 80, 46.337,
153.979

■ 80, 46.337,
153.979

■ 79, 55.837,
152.617

■ 81, 36.301,
155.169

■ 78, 64.611,
151.064

■ 83, 25.913,
156.212

■ 77, 72.500,
149.307

■ 84, 15.346,
157.135

■ 77, 79.397,
147.351

■ 86, 4.746, 157.999

■ 77, 85.272,
145.234

■ 88, 5.769, 338.566

■ 90, 16.114,
339.255

■ 77, 88.153,
144.075

■ 91, 21.851,
327.728

■ 91, 23.197,
325.232

Harmonies

Complementary

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



80, 46.337, 153.979



63, 47.491, 342.167

Rectangle

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



80, 46.337, 153.979



80, 46.337, 203.979



80, 46.337, 333.979



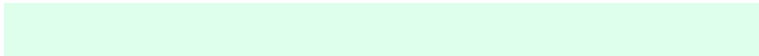
80, 46.337, 23.979

Sweetspot

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



80, 46.338, 153.979



97, 15.616, 157.256



83, 51.789, 122.616



51, 10.932, 157.062



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, 46.338, 153.979



91, 61.789, 152.767



81, 31.504, 186.112



45, 6.027, 157.570



62, 73.726, 144.440



15, 26.807, 149.123

Inverse Universe

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



63, 47.491, 342.167



69, 63.191, 343.219



62, 40.287, 15.403



43, 6.075, 338.920



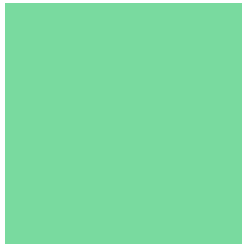
38, 65.747, 352.038



6, 26.462, 346.897

Previews

White Background



This preview shows how the CIELCh color 80, 46.337, 153.979 looks on a white background.

Color Contrast Check

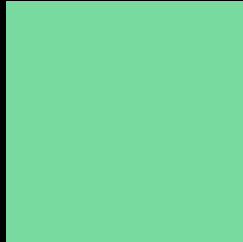
Large Text (above 18pt) WCAG AA × Fail

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, 46.337, 153.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

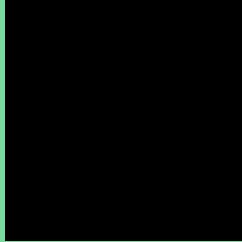
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 46.337, 153.979

Background



This preview shows how black text looks on a background with the CIELCh color 80, 46.337, 153.979.

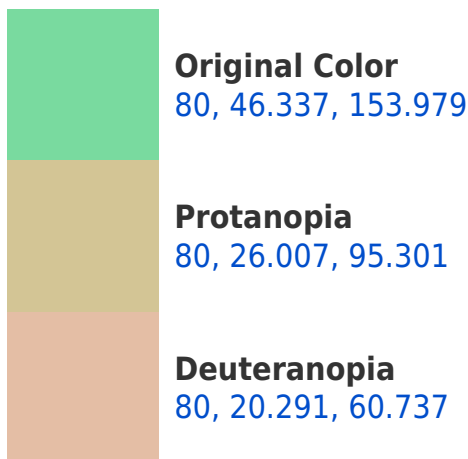


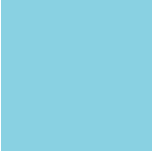
This preview shows how white text looks on a background with the CIELCh color 80, 46.337, 153.979.

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, 23.889, 220.441

Trichromacy



Original Color
80, 46.337, 153.979



Protanomaly
79, 29.380, 128.584



Deuteranomaly
79, 20.070, 120.635



Tritanomaly
80, 27.205, 186.075

Monochromacy



Original Color
80, 46.337, 153.979



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 17.244, 157.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 46.337, 153.979 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(121, 218, 159)` looks like.

```
.text, #text, p{  
    color:rgb(121, 218, 159)  
}
```

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(121, 218, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 218, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 46.337, 153.979 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(121, 218, 159) }
```

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

```
.border{ border-color:rgb(121, 218, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 218, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 218, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 218, 159); box-shadow:4px 4px 4px 4px rgb(121, 218, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 46.337, 153.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 218, 159) }
```

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

```
.background{ background-color: rgb(121,  
218, 159) }
```

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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