

Converting Colors

CIELCh(80, 38.957, 165.103)

Have a look what the booklet for
CIELCh(80, 38.957, 165.103)
contains.

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Color

CIELCh(80, 39.259, 164.743)

Conversions

Conversions Part 1

Format	Color
Hex	77D9B2
RGB	119, 217, 178
RGB Percent	47%, 85%, 70%
CMY	0.5338, 0.1495, 0.3024
CMYK	0.45, 0.00, 0.18, 0.15
HSL	156°, 56%, 66%
HSV	156°, 45%, 85%
XYZ	40.3931, 56.6813, 50.8663
YIQ	183.2520, -45.8890, -32.9050

Conversions

Conversions Part 2

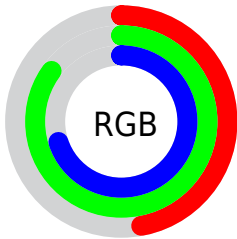
Format	Color
RYB	119, 180, 217
Decimal	7854514
CIELab	80.00, -37.88, 10.33
CIELCh	80, 39.259, 164.743
Yxy	56.6813, 0.2730, 0.3831
Android (android.graphics.Color)	4286044594 (0xFF77D9B2)
YUV	183.2520, -2.5892, -56.3490
Hunter-Lab	75.2870, -35.9831, 12.6427

Details

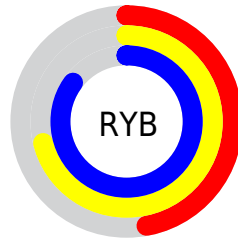
The CIELCh color **80, 39.259, 164.743** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 42.893, 354.865**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.530, 175.302**, and **60, 39.600, 164.254** is the 20% darker color. If you saturate the color by 10%, you get **79, 46.792, 163.326**, and if you desaturate by 10%, it is **81, 31.135, 166.006**.

Distribution



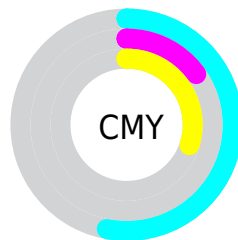
- Red (47%)
- Green (85%)
- Blue (70%)



- Red (47%)
- Yellow (71%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)





- Cyan (53%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 39.259, 164.743 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, 39.259, 164.743 by changing the saturation by 10% instead.


 80, 39.259,
164.743


 80, 39.259,
164.743


 100, 39.259,
164.743


 70, 39.259,
164.743

 60, 39.259,
164.743

 50, 39.259,
164.743

 40, 39.259,
164.743

 30, 39.259,
164.743

 20, 39.259,
164.743

 10, 39.259,

164.743

■ 0, 39.259, 164.743

■ 80, 39.259,
164.743

■ 80, 39.259,
164.743

■ 79, 46.792,
163.326

■ 81, 31.135,
166.006

■ 78, 53.593,
161.732

■ 82, 22.569,
167.145

■ 78, 59.560,
159.939

■ 84, 13.711,
168.184

■ 77, 64.650,
157.933

■ 86, 4.695, 169.186

■ 77, 68.905,
155.724

■ 88, 4.366, 349.841

■ 90, 13.382,
350.714

■ 77, 70.767,
154.643

■ 90, 17.597,
341.665

■ 91, 20.620,
331.892

■ 91, 23.878,
325.256

Harmonies

Complementary

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



80, 39.259, 164.743



62, 42.893, 354.865

Rectangle

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



80, 39.259, 164.743



80, 39.259, 214.743



80, 39.259, 344.743



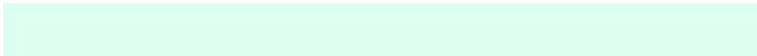
80, 39.259, 34.743

Sweetspot

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



80, 39.260, 164.742



97, 14.420, 168.289



81, 55.403, 130.364



51, 9.944, 168.071



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, 39.260, 164.742



91, 52.312, 163.429



78, 27.332, 208.726



45, 5.182, 168.753



63, 59.471, 155.023



16, 22.001, 159.709

Inverse Universe

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



62, 42.893, 354.865



67, 57.927, 356.563



63, 38.533, 31.251



43, 5.283, 350.349



37, 63.506, 11.603



6, 24.284, 1.333

Previews

White Background



This preview shows how the CIELCh color 80, 39.259, 164.743 looks on a white background.

Color Contrast Check

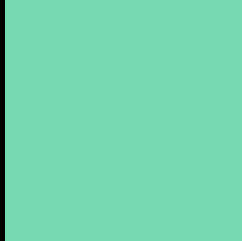
Large Text (above 18pt) WCAG AA × Fail

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, 39.259, 164.743 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, 39.259, 164.743

Background



This preview shows how black text looks on a background with the CIELCh color 80, 39.259, 164.743.

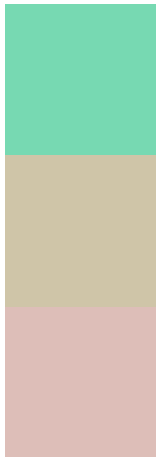


This preview shows how white text looks on a background with the CIELCh color 80, 39.259, 164.743.

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](#).

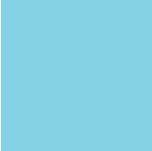
Dichromacy



Original Color
80, 39.259, 164.743

Protanopia
80, 15.864, 94.528

Deuteranopia
79, 12.319, 35.186



Tritanopia
80, 25.329, 218.999

Trichromacy



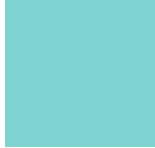
Original Color
80, 39.259, 164.743



Protanomaly
79, 20.258, 141.047



Deuteranomaly
79, 11.334, 140.966

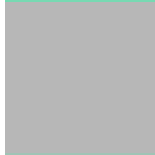


Tritanomaly
80, 27.226, 194.078

Monochromacy



Original Color
80, 39.259, 164.743



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 14.861, 167.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 39.259, 164.743 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(119, 217, 178)` looks like.

```
.text, #text, p{  
    color:rgb(119, 217, 178)  
}
```

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(119, 217, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 217, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 39.259, 164.743 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(119, 217, 178) }
```

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

```
.border{ border-color:rgb(119, 217, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 217, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 217, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 217, 178);  
box-shadow:4px 4px 4px 4px rgb(119, 217,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 39.259, 164.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 217, 178) }
```

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

```
.background{ background-color: rgb(119,  
217, 178) }
```

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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