

Converting Colors

CIELCh(80, 43.348, 162.674)

Have a look what the booklet for
CIELCh(80, 43.348, 162.674)
contains.

CIELCh(80, 43.287, 162.857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 43.287, 162.857)

Conversions

Conversions Part 1

Format	Color
Hex	6FDAAD
RGB	111, 218, 173
RGB Percent	44%, 85%, 68%
CMY	0.5638, 0.1442, 0.3207
CMYK	0.49, 0.00, 0.21, 0.14
HSL	155°, 59%, 65%
HSV	155°, 49%, 86%
XYZ	39.2789, 56.6813, 48.5157
YIQ	180.8770, -49.3270, -36.6790

Conversions

Conversions Part 2

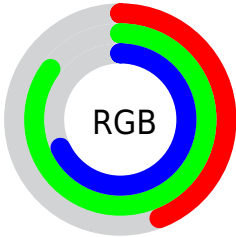
Format	Color
RYB	111, 179, 218
Decimal	7330477
CIELab	80.00, -41.36, 12.76
CIELCh	80, 43.287, 162.857
Yxy	56.6813, 0.2719, 0.3923
Android (android.graphics.Color)	4285520557 (0xFF6FDAAD)
YUV	180.8770, -3.8834, -61.2821
Hunter-Lab	75.2870, -38.6247, 14.4938

Details

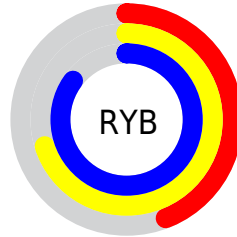
The CIELCh color **80, 43.287, 162.857** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 47.095, 353.988**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.226, 171.773**, and **60, 42.921, 163.199** is the 20% darker color. If you saturate the color by 10%, you get **79, 50.797, 161.369**, and if you desaturate by 10%, it is **81, 35.135, 164.178**.

Distribution



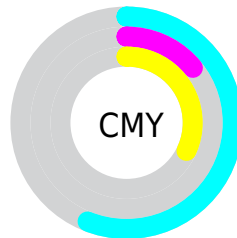
- Red (44%)
- Green (85%)
- Blue (68%)



- Red (44%)
- Yellow (70%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (56%)
- Magenta (14%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.287, 162.857 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, 43.287, 162.857 by changing the saturation by 10% instead.


 80, 43.287,
162.857


 80, 43.287,
162.857


 100, 43.287,
162.857


 70, 43.287,
162.857

 60, 43.287,
162.857

 50, 43.287,
162.857

 40, 43.287,
162.857

 30, 43.287,
162.857

 20, 43.287,
162.857

 10, 43.287,

162.857

■ 0, 43.287, 162.857

■ 80, 43.287,
162.857

■ 80, 43.287,
162.857

■ 79, 50.797,
161.369

■ 81, 35.135,
164.178

■ 78, 57.530,
159.692

■ 82, 26.491,
165.359

■ 78, 63.399,
157.805

■ 84, 17.512,
166.427

■ 77, 68.388,
155.705

■ 85, 8.340, 167.417

■ 77, 72.620,
153.443

■ 87, 0.903, 347.725

■ 89, 10.117,
349.003

■ 77, 73.016,
153.230

■ 91, 16.534,
343.592

■ 91, 19.675,
332.397

■ 91, 23.023,
325.226

Harmonies

Complementary

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



80, 43.287, 162.857



61, 47.095, 353.988

Rectangle

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



80, 43.287, 162.857



80, 43.287, 212.857



80, 43.287, 342.857



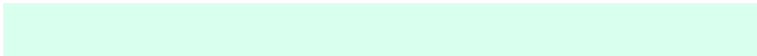
80, 43.287, 32.857

Sweetspot

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



80, 43.288, 162.856



97, 15.692, 166.819



81, 59.582, 129.094



51, 10.696, 166.607



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, 43.288, 162.856



91, 57.525, 161.292



79, 30.067, 204.705



45, 5.263, 167.377



62, 61.048, 153.621



16, 22.515, 158.344

Inverse Universe

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



61, 47.095, 353.988



65, 63.175, 356.006



61, 43.711, 29.322



43, 5.357, 348.953



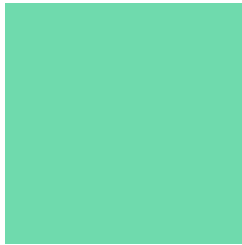
37, 63.312, 9.400



6, 24.420, 359.891

Previews

White Background



This preview shows how the CIELCh color 80, 43.287, 162.857 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, 43.287, 162.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

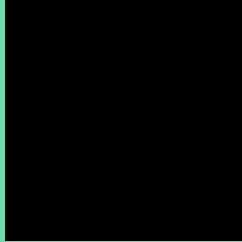
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.287, 162.857

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.287, 162.857.

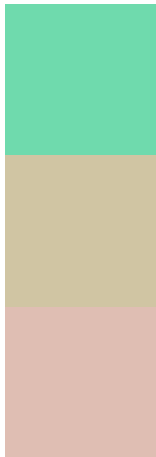


This preview shows how white text looks on a background with the CIELCh color 80, 43.287, 162.857.

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, 43.287, 162.857

Protanopia
80, 18.534, 95.007

Deuteranopia
79, 14.103, 44.615



Tritanopia
80, 26.960, 217.554

Trichromacy



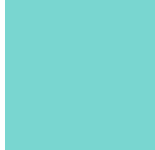
Original Color
80, 43.287, 162.857



Protanomaly
79, 23.570, 139.111



Deuteranomaly
79, 14.032, 137.775

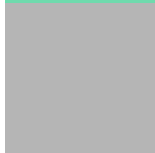


Tritanomaly
80, 29.642, 191.066

Monochromacy



Original Color
80, 43.287, 162.857



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 16.975, 165.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.287, 162.857 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(111, 218, 173)` looks like.

```
.text, #text, p{  
    color:rgb(111, 218, 173)  
}
```

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(111, 218, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 218, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.287, 162.857 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(111, 218, 173) }
```

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

```
.border{ border-color:rgb(111, 218, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 218, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 218, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 218, 173);  
box-shadow:4px 4px 4px 4px rgb(111, 218,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.287, 162.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 218, 173) }
```

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

```
.background{ background-color: rgb(111,  
218, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor