

Converting Colors

CIELCh(81, 41.927, 156.512)

Have a look what the booklet for
CIELCh(81, 41.927, 156.512)
contains.

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Color

CIELCh(81, 41.900, 156.534)

Conversions

Conversions Part 1

Format	Color
Hex	81DCA9
RGB	129, 220, 169
RGB Percent	51%, 86%, 66%
CMY	0.4956, 0.1388, 0.3387
CMYK	0.41, 0.00, 0.23, 0.14
HSL	146°, 56%, 68%
HSV	146°, 41%, 86%
XYZ	41.6143, 58.4711, 46.4483
YIQ	186.9770, -37.8650, -35.1530

Conversions

Conversions Part 2

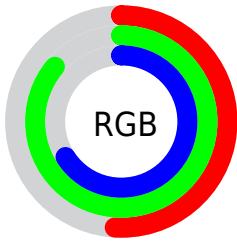
Format	Color
RYB	129, 192, 220
Decimal	8510633
CIELab	81.00, -38.43, 16.68
CIELCh	81, 41.900, 156.534
Yxy	58.4711, 0.2840, 0.3990
Android (android.graphics.Color)	4286700713 (0xFF81DCA9)
YUV	186.9770, -8.8627, -50.8458
Hunter-Lab	76.4664, -36.6734, 17.5117

Details

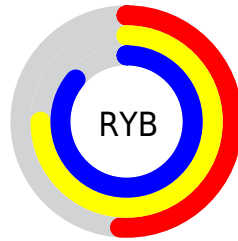
The CIELCh color **81, 41.900, 156.534** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 43.341, 344.384**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.951, 164.226**, and **61, 41.509, 156.694** is the 20% darker color. If you saturate the color by 10%, you get **80, 51.212, 155.205**, and if you desaturate by 10%, it is **82, 32.103, 157.700**.

Distribution



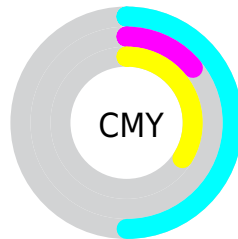
- Red (51%)
- Green (86%)
- Blue (66%)



- Red (51%)
- Yellow (75%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (14%)





- Cyan (50%)
- Magenta (14%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 41.900, 156.534 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 81, 41.900, 156.534 by changing the saturation by 10% instead.


 81, 41.900,
156.534


 81, 41.900,
156.534


 100, 41.900,
156.534


 71, 41.900,
156.534

 61, 41.900,
156.534

 51, 41.900,
156.534

 41, 41.900,
156.534

 31, 41.900,
156.534

 21, 41.900,
156.534

 11, 41.900,

156.534

■ 1, 41.900, 156.534

■ 0, 41.900, 156.534

■ 81, 41.900,
156.534

■ 81, 41.900,
156.534

■ 80, 51.212,
155.205

■ 82, 32.103,
157.700

■ 79, 59.858,
153.691

■ 84, 21.994,
158.731

■ 78, 67.682,
151.973

■ 85, 11.734,
159.655

■ 78, 74.575,
150.045

■ 87, 1.459, 160.713

■ 77, 80.503,

■ 89, 8.727, 341.112

147.924

91, 17.296,
337.570

77, 84.926,
146.038

91, 22.055,
325.372

91, 22.152,
325.195

Harmonies

Complementary

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



81, 41.900, 156.534



65, 43.341, 344.384

Rectangle

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



81, 41.900, 156.534



81, 41.900, 206.534



81, 41.900, 336.534



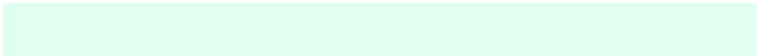
81, 41.900, 26.534

Sweetspot

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



81, 41.901, 156.533



97, 13.906, 159.595



83, 49.241, 124.678



52, 9.225, 159.478



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 41.901, 156.533



91, 56.304, 155.348



82, 29.139, 190.997



45, 5.817, 159.832



62, 70.604, 146.427



15, 25.721, 151.151

Inverse Universe

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



65, 43.341, 344.384



70, 58.343, 345.509



64, 37.686, 18.606



43, 5.875, 341.242



37, 64.481, 356.220



6, 25.775, 350.188

Previews

White Background



This preview shows how the CIE LCh color 81, 41.900, 156.534 looks on a white background.

Color Contrast Check

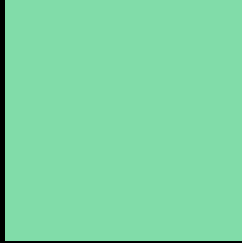
Large Text (above 18pt) WCAG AA × Fail

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 81, 41.900, 156.534 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 81, 41.900, 156.534

Background



This preview shows how black text looks on a background with the CIELCh color 81, 41.900, 156.534.

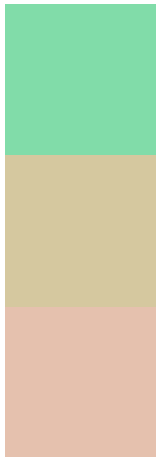


This preview shows how white text looks on a background with the CIELCh color 81, 41.900, 156.534.

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

81, 41.900, 156.534

Protanopia

81, 22.261, 94.795

Deuteranopia

81, 17.446, 55.226



Tritanopia
81, 23.144, 221.194

Trichromacy



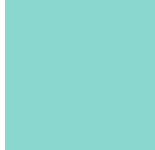
Original Color
81, 41.900, 156.534



Protanomaly
80, 25.145, 130.476



Deuteranomaly
80, 16.945, 123.046



Tritanomaly
81, 25.757, 188.014

Monochromacy



Original Color
81, 41.900, 156.534



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 15.903, 158.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 41.900, 156.534 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(129, 220, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 220, 169)  
}
```

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(129, 220, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 220, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 41.900, 156.534 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(129, 220, 169) }
```

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

```
.border{ border-color:rgb(129, 220, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 220, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 220, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 220, 169); box-shadow:4px 4px 4px 4px rgb(129, 220, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 41.900, 156.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 220, 169) }
```

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

```
.background{ background-color: rgb(129,  
220, 169) }
```

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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