

Converting Colors

CIELCh(81, 41.577, 156.092)

Have a look what the booklet for
CIELCh(81, 41.577, 156.092)
contains.

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Color

CIELCh(81, 41.476, 156.038)

Conversions

Conversions Part 1

Format	Color
Hex	82DBA8
RGB	130, 219, 168
RGB Percent	51%, 86%, 66%
CMY	0.4888, 0.1397, 0.3398
CMYK	0.41, 0.00, 0.23, 0.14
HSL	146°, 56%, 69%
HSV	146°, 41%, 86%
XYZ	41.7899, 58.4711, 46.3004
YIQ	186.5750, -36.6730, -34.7290

Conversions

Conversions Part 2

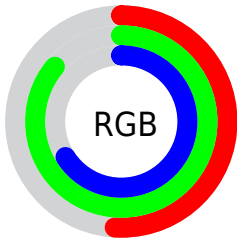
Format	Color
RYB	130, 192, 219
Decimal	8575912
CIELab	81.00, -37.90, 16.84
CIELCh	81, 41.476, 156.038
Yxy	58.4711, 0.2851, 0.3990
Android (android.graphics.Color)	4286765992 (0xFF82DBA8)
YUV	186.5750, -9.1575, -49.6163
Hunter-Lab	76.4664, -36.2635, 17.6264

Details

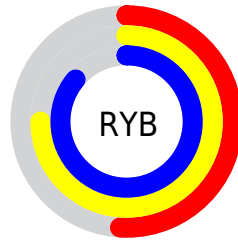
The CIELCh color **81, 41.476, 156.038** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 42.771, 343.584**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 29.011, 163.099**, and **61, 41.127, 156.244** is the 20% darker color. If you saturate the color by 10%, you get **80, 50.945, 154.730**, and if you desaturate by 10%, it is **82, 31.539, 157.185**.

Distribution



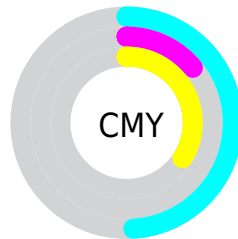
- Red (51%)
- Green (86%)
- Blue (66%)



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



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



- Cyan (49%)
- Magenta (14%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 41.476, 156.038 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, 41.476, 156.038 by changing the saturation by 10% instead.

■ 81, 41.476,
156.038

■ 81, 41.476,
156.038

■ 100, 41.476,
156.038

■ 71, 41.476,
156.038

■ 61, 41.476,
156.038

■ 51, 41.476,
156.038

■ 41, 41.476,
156.038

■ 31, 41.476,
156.038

■ 21, 41.476,
156.038

■ 11, 41.476,

156.038

■ 1, 41.476, 156.038

■ 0, 41.476, 156.038

■ 81, 41.476,
156.038

■ 81, 41.476,
156.038

■ 80, 50.945,
154.730

■ 82, 31.539,
157.185

■ 79, 59.763,
153.237

■ 84, 21.310,
158.198

■ 78, 67.765,
151.543

■ 86, 10.948,
159.107

■ 78, 74.836,
149.639

■ 87, 0.587, 160.558

■ 77, 80.927,

■ 89, 9.670, 340.534

147.543

91, 17.911,
335.841

77, 85.879,
145.485

91, 22.304,
325.201

Harmonies

Complementary

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



81, 41.476, 156.038



65, 42.771, 343.584

Rectangle

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



81, 41.476, 156.038



81, 41.476, 206.038



81, 41.476, 336.038



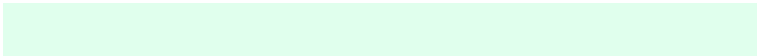
81, 41.476, 26.038

Sweetspot

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



81, 41.477, 156.037



97, 14.040, 158.973



83, 48.026, 124.087



52, 9.315, 158.856



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, 41.477, 156.037



92, 55.879, 154.890



82, 28.835, 189.501



45, 5.873, 159.207



62, 71.458, 145.870



15, 26.018, 150.576

Inverse Universe

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



65, 42.771, 343.584



71, 57.709, 344.645



64, 36.712, 17.194



43, 5.927, 340.601



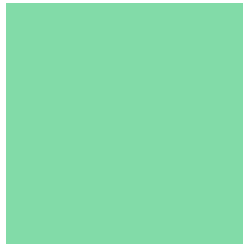
38, 64.783, 355.069



6, 25.950, 349.279

Previews

White Background



This preview shows how the CIELCh color 81, 41.476, 156.038 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, 41.476, 156.038 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, 41.476, 156.038

Background



This preview shows how black text looks on a background with the CIELCh color 81, 41.476, 156.038.

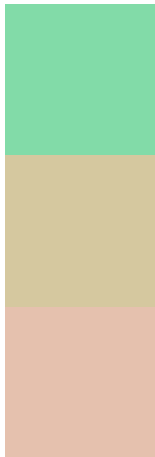


This preview shows how white text looks on a background with the CIELCh color 81, 41.476, 156.038.

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, 41.476, 156.038

Protanopia
81, 22.261, 94.795

Deuteranopia
81, 17.446, 55.226



Tritanopia
81, 22.651, 221.775

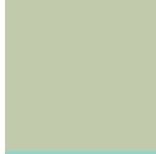
Trichromacy



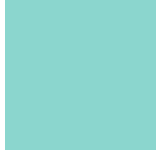
Original Color
81, 41.476, 156.038



Protanomaly
80, 25.483, 129.252



Deuteranomaly
80, 16.849, 121.807

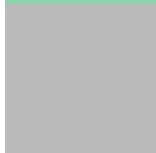


Tritanomaly
81, 25.212, 187.832

Monochromacy



Original Color
81, 41.476, 156.038



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, 41.476, 156.038 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(130, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(130, 219, 168)  
}
```

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(130, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 219, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 41.476, 156.038 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(130, 219, 168) }
```

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

```
.border{ border-color:rgb(130, 219, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 219, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 219, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 219, 168);  
box-shadow:4px 4px 4px 4px rgb(130, 219,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 41.476, 156.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 219, 168) }
```

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

```
.background{ background-color: rgb(130,  
219, 168) }
```

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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