

Converting Colors

CIELCh(81, 39.790, 156.629)

Have a look what the booklet for
CIELCh(81, 39.790, 156.629)
contains.

CIELCh(81, 40.034, 156.356)	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(81, 40.034, 156.356)

Conversions

Conversions Part 1

Format	Color
Hex	85DBAA
RGB	133, 219, 170
RGB Percent	52%, 86%, 67%
CMY	0.4789, 0.1417, 0.3338
CMYK	0.39, 0.00, 0.22, 0.14
HSL	146°, 54%, 69%
HSV	146°, 39%, 86%
XYZ	42.1962, 58.4711, 47.0329
YIQ	187.7000, -35.5270, -33.4710

Conversions

Conversions Part 2

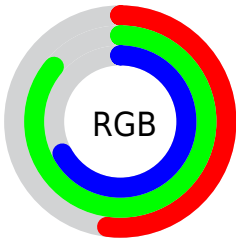
Format	Color
RYB	133, 193, 219
Decimal	8772522
CIELab	81.00, -36.67, 16.06
CIELCh	81, 40.034, 156.356
Yxy	58.4711, 0.2857, 0.3959
Android (android.graphics.Color)	4286962602 (0xFF85DBAA)
YUV	187.7000, -8.7261, -47.9719
Hunter-Lab	76.4664, -35.3151, 17.0584

Details

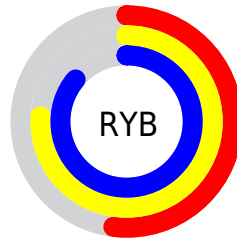
The CIELCh color **81, 40.034, 156.356** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **66, 41.291, 343.626**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.580, 163.739**, and **61, 39.707, 156.731** is the 20% darker color. If you saturate the color by 10%, you get **80, 49.526, 155.068**, and if you desaturate by 10%, it is **82, 30.099, 157.486**.

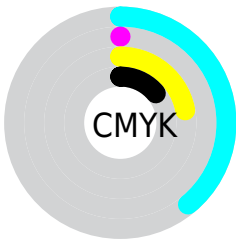
Distribution



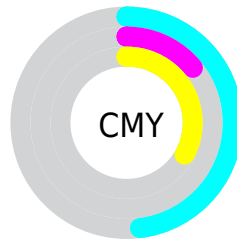
- Red (52%)
- Green (86%)
- Blue (67%)



- Red (52%)
- Yellow (76%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)





- Cyan (48%)
- Magenta (14%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 40.034, 156.356 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, 40.034, 156.356 by changing the saturation by 10% instead.


 81, 40.034,
156.356


 81, 40.034,
156.356


 100, 40.034,
156.356


 71, 40.034,
156.356

 61, 40.034,
156.356

 51, 40.034,
156.356

 41, 40.034,
156.356

 31, 40.034,
156.356

 21, 40.034,
156.356

 11, 40.034,

156.356

■ 1, 40.034, 156.356

■ 0, 40.034, 156.356

■ 81, 40.034,
156.356

■ 81, 40.034,
156.356

■ 80, 49.526,
155.068

■ 82, 30.099,
157.486

■ 79, 58.389,
153.600

■ 84, 19.893,
158.485

■ 78, 66.460,
151.931

■ 86, 9.572, 159.386


■ 78, 73.616,
150.053


■ 88, 0.736, 339.574


■ 90, 10.929,
340.798

■ 77, 79.798,

147.977

 91, 18.544,
334.644

 77, 85.093,
145.785

 91, 22.617,
325.212

 77, 85.452,
145.636

Harmonies

Complementary

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



81, 40.034, 156.356



66, 41.291, 343.626

Rectangle

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



81, 40.034, 156.356



81, 40.034, 206.356



81, 40.034, 336.356



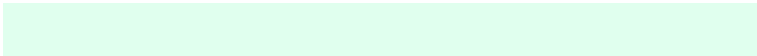
81, 40.034, 26.356

Sweetspot

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



81, 40.035, 156.355



97, 14.004, 159.139



83, 46.472, 124.149



52, 9.291, 159.023



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, 40.035, 156.355



92, 53.619, 155.324



82, 28.017, 189.599



45, 5.858, 159.374



62, 71.228, 146.018



15, 25.938, 150.729

Inverse Universe

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



66, 41.291, 343.626



72, 55.424, 344.584



65, 35.365, 16.968



43, 5.913, 340.773



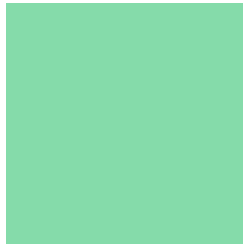
38, 64.699, 355.378



6, 25.903, 349.522

Previews

White Background



This preview shows how the CIE LCh color 81, 40.034, 156.356 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, 40.034, 156.356 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, 40.034, 156.356

Background



This preview shows how black text looks on a background with the CIELCh color 81, 40.034, 156.356.

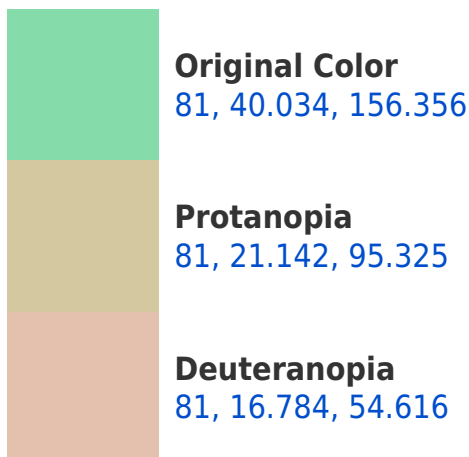


This preview shows how white text looks on a background with the CIELCh color 81, 40.034, 156.356.

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
81, 22.151, 222.371

Trichromacy



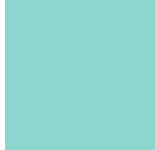
Original Color
81, 40.034, 156.356



Protanomaly
80, 24.508, 130.156



Deuteranomaly
80, 15.746, 121.386

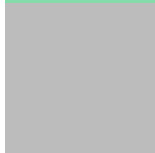


Tritanomaly
81, 24.498, 188.868

Monochromacy



Original Color
81, 40.034, 156.356



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 14.993, 158.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 40.034, 156.356 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(133, 219, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 170)  
}
```

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(133, 219, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 40.034, 156.356 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(133, 219, 170) }
```

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

```
.border{ border-color:rgb(133, 219, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 219, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 219, 170); box-shadow:4px 4px 4px 4px rgb(133, 219, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 40.034, 156.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 170) }
```

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

```
.background{ background-color: rgb(133,  
219, 170) }
```

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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