

Converting Colors

CIELCh(81, 45.290, 160.300)

Have a look what the booklet for
CIELCh(81, 45.290, 160.300)
contains.

CIELCh(81, 45.010, 160.309)	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, 45.010, 160.309)

Conversions

Conversions Part 1

Format	Color
Hex	72DDAB
RGB	114, 221, 171
RGB Percent	45%, 87%, 67%
CMY	0.5514, 0.1318, 0.3280
CMYK	0.48, 0.00, 0.23, 0.13
HSL	152°, 61%, 66%
HSV	152°, 48%, 87%
XYZ	40.3311, 58.4711, 47.8682
YIQ	183.3070, -47.7220, -38.2340

Conversions

Conversions Part 2

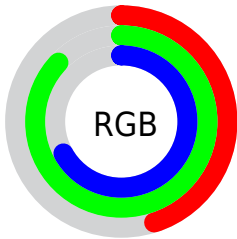
Format	Color
RYB	114, 184, 221
Decimal	7527851
CIELab	81.00, -42.38, 15.17
CIELCh	81, 45.010, 160.309
Yxy	58.4711, 0.2750, 0.3987
Android (android.graphics.Color)	4285717931 (0xFF72DDAB)
YUV	183.3070, -6.0674, -60.7822
Hunter-Lab	76.4664, -39.6689, 16.4108

Details

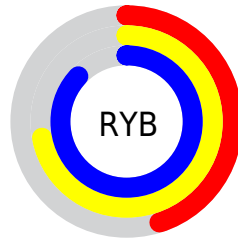
The CIELCh color **81, 45.010, 160.309** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 48.020, 350.821**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.010, 169.562**, and **61, 44.853, 160.595** is the 20% darker color. If you saturate the color by 10%, you get **80, 53.087, 158.830**, and if you desaturate by 10%, it is **82, 36.308, 161.615**.

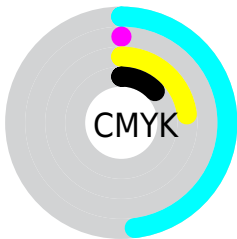
Distribution



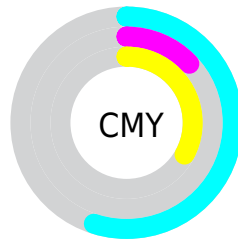
- Red (45%)
- Green (87%)
- Blue (67%)



- Red (45%)
- Yellow (72%)
- Blue (87%)



- Cyan (48%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)





- Cyan (55%)
- Magenta (13%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 45.010, 160.309 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, 45.010, 160.309 by changing the saturation by 10% instead.


 81, 45.010,
160.309


 81, 45.010,
160.309


 100, 45.010,
160.309


 71, 45.010,
160.309

 61, 45.010,
160.309

 51, 45.010,
160.309

 41, 45.010,
160.309

 31, 45.010,
160.309

 21, 45.010,
160.309

 11, 45.010,

160.309

■ 1, 45.010, 160.309

■ 0, 45.010, 160.309

■ 81, 45.010,
160.309

■ 81, 45.010,
160.309

■ 80, 53.087,
158.830

■ 82, 36.308,
161.615

■ 79, 60.390,
157.158

■ 83, 27.140,
162.777

■ 79, 66.818,
155.273

■ 85, 17.670,
163.821

■ 78, 72.340,
153.175

■ 87, 8.044, 164.783

■ 78, 77.044,

■ 89, 1.615, 345.295

150.910

91, 11.210,
346.308

78, 77.793,
150.541

92, 16.672,
336.572

92, 20.686,
325.835

92, 21.039,
325.156

Harmonies

Complementary

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



81, 45.010, 160.309



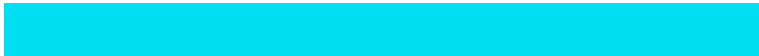
62, 48.020, 350.821

Rectangle

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



81, 45.010, 160.309



81, 45.010, 210.309



81, 45.010, 340.309



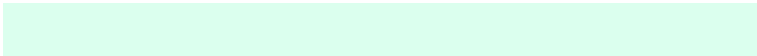
81, 45.010, 30.309

Sweetspot

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



81, 45.011, 160.308



97, 15.152, 164.233



83, 58.642, 127.411



51, 10.455, 164.023



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, 45.011, 160.308



91, 59.178, 158.811



82, 31.653, 198.985



45, 5.439, 164.679



62, 64.293, 150.954



16, 23.584, 155.718

Inverse Universe

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



62, 48.020, 350.821



66, 63.423, 352.574



61, 45.243, 25.869



43, 5.518, 346.204



37, 63.259, 4.878



6, 24.767, 356.783

Previews

White Background



This preview shows how the CIELCh color 81, 45.010, 160.309 looks on a white background.

Color Contrast Check

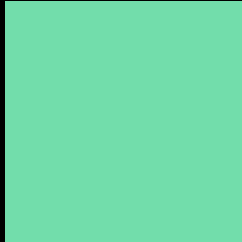
Large Text (above 18pt) WCAG AA × Fail

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, 45.010, 160.309 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

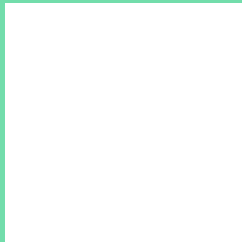
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 45.010, 160.309

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.010, 160.309.

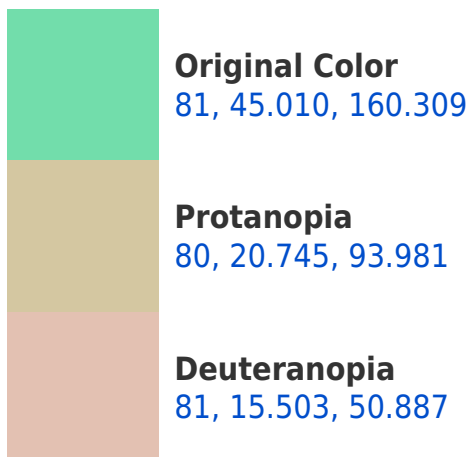


This preview shows how white text looks on a background with the CIELCh color 81, 45.010, 160.309.

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



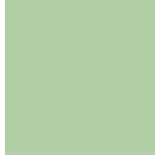


Tritanopia
81, 26.604, 219.075

Trichromacy



Original Color
81, 45.010, 160.309



Protanomaly
80, 25.011, 135.258



Deuteranomaly
80, 15.728, 132.905



Tritanomaly
81, 29.539, 190.029

Monochromacy



Original Color
81, 45.010, 160.309



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 17.587, 162.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.010, 160.309 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(114, 221, 171)` looks like.

```
.text, #text, p{  
    color:rgb(114, 221, 171)  
}
```

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(114, 221, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 221, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.010, 160.309 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(114, 221, 171) }
```

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

```
.border{ border-color:rgb(114, 221, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 221, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 221, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 221, 171);  
box-shadow:4px 4px 4px 4px rgb(114, 221,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.010, 160.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 221, 171) }
```

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

```
.background{ background-color: rgb(114,  
221, 171) }
```

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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