

Converting Colors

CIELCh(81, 48.562, 184.207)

Have a look what the booklet for
CIELCh(81, 48.562, 184.207)
contains.

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Color

CIELCh(81, 48.619, 184.032)

Conversions

Conversions Part 1

Format	Color
Hex	16E1CE
RGB	22, 225, 206
RGB Percent	9%, 88%, 81%
CMY	0.9138, 0.1177, 0.1922
CMYK	0.90, 0.00, 0.08, 0.12
HSL	174°, 82%, 48%
HSV	174°, 90%, 88%
XYZ	38.3920, 58.4711, 67.6496
YIQ	162.1370, -114.8890, -48.9450

Conversions

Conversions Part 2

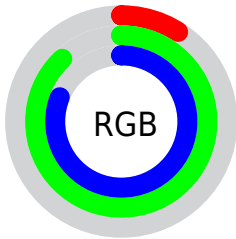
Format	Color
R_{YB}	22, 128, 225
Decimal	1499598
CIE _{Lab}	81.00, -48.50, -3.42
CIE _{LCh}	81, 48.619, 184.032
Yxy	58.4711, 0.2334, 0.3554
Android (android.graphics.Color)	4279689678 (0xFF16E1CE)
YUV	162.1370, 21.6245, -122.9001
Hunter-Lab	76.4664, -44.1954, 1.0728

Details

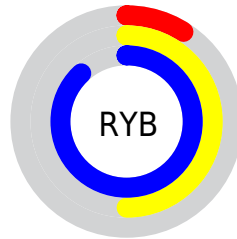
The CIELCh color **81, 48.619, 184.032** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 84.706, 32.658**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **62, 40.446, 182.280** is the 20% darker color. If you saturate the color by 10%, you get **81, 49.787, 182.942**, and if you desaturate by 10%, it is **81, 46.680, 185.068**.

Distribution



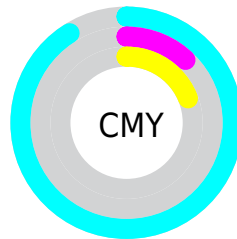
- Red (9%)
- Green (88%)
- Blue (81%)



- Red (9%)
- Yellow (50%)
- Blue (88%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (91%)
- Magenta (12%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 48.619, 184.032 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, 48.619, 184.032 by changing the saturation by 10% instead.


 81, 48.619,
184.032


 81, 48.619,
184.032


 100, 48.619,
184.032


 71, 48.619,
184.032

 61, 48.619,
184.032

 51, 48.619,
184.032

 41, 48.619,
184.032

 31, 48.619,
184.032

 21, 48.619,
184.032

 11, 48.619,

184.032

■ 1, 48.619, 184.032

■ 0, 48.619, 184.032

■ 81, 48.619,
184.032

■ 81, 48.619,
184.032

■ 81, 49.787,
182.942

■ 81, 46.680,
185.068

■ 82, 43.792,
186.024

■ 82, 39.915,
186.916

■ 83, 35.078,
187.762

■ 84, 29.362,

188.577

■ 85, 22.881,
189.373

■ 86, 15.768,
190.161

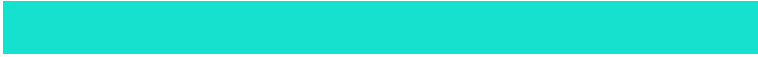
■ 88, 8.159, 190.963

■ 89, 0.184, 194.841

Harmonies

Complementary

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



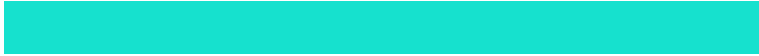
81, 48.619, 184.032



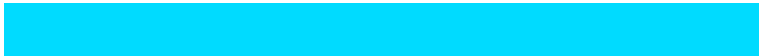
48, 84.706, 32.658

Rectangle

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



81, 48.619, 184.032



81, 48.619, 234.032



81, 48.619, 4.032



81, 48.619, 54.032

Sweetspot

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



81, 48.619, 184.031



95, 22.839, 189.613



79, 105.393, 135.633



50, 15.222, 189.342



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, 48.619, 184.031



90, 54.768, 182.857



58, 49.762, 268.158



46, 4.526, 191.029



65, 41.361, 183.139



17, 16.714, 185.139

Inverse Universe

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



48, 84.706, 32.658



53, 100.555, 37.003



58, 75.627, 54.738



44, 4.755, 12.381



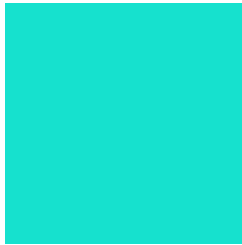
36, 75.218, 36.007



6, 25.355, 16.995

Previews

White Background



This preview shows how the CIE LCh color 81, 48.619, 184.032 looks on a white background.

Color Contrast Check

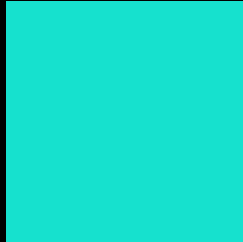
Large Text (above 18pt) WCAG AA × Fail

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, 48.619, 184.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

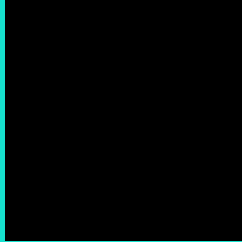
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

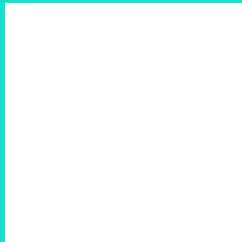
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 48.619, 184.032

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.619, 184.032.

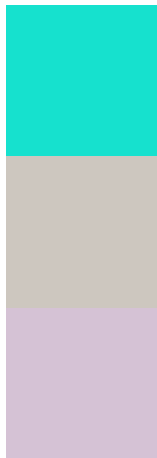


This preview shows how white text looks on a background with the CIELCh color 81, 48.619, 184.032.

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](#).

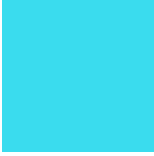
Dichromacy



Original Color
81, 48.619, 184.032

Protanopia
81, 4.778, 81.815

Deuteranopia
80, 12.274, 324.908



Tritanopia
81, 40.121, 210.851

Trichromacy



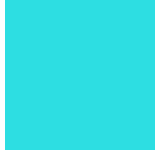
Original Color
81, 48.619, 184.032



Protanomaly
79, 24.599, 182.413



Deuteranomaly
79, 20.170, 205.672

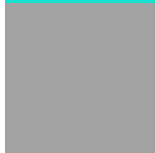


Tritanomaly
81, 42.531, 199.481

Monochromacy



Original Color
81, 48.619, 184.032



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 24.985, 188.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.619, 184.032 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(22, 225, 206)` looks like.

```
.text, #text, p{  
    color:rgb(22, 225, 206)  
}
```

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(22, 225, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 225, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.619, 184.032 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(22, 225, 206) }
```

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

```
.border{ border-color:rgb(22, 225, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 225, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 225, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 225, 206);  
box-shadow:4px 4px 4px 4px rgb(22, 225,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.619, 184.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 225, 206) }
```

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

```
.background{ background-color: rgb(22, 225,  
206) }
```

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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