

Converting Colors

CIELCh(81, 45.254, 197.561)

Have a look what the booklet for
CIELCh(81, 45.254, 197.561)
contains.

CIELCh(81, 45.298, 197.082)	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, 45.298, 197.082)

Conversions

Conversions Part 1

Format	Color
Hex	00E0E1
RGB	0, 224, 225
RGB Percent	0%, 88%, 88%
CMY	1.0000, 0.1233, 0.1193
CMYK	1.00, 0.00, 0.00, 0.12
HSL	180°, 100%, 44%
HSV	180°, 100%, 88%
XYZ	40.0350, 58.4711, 80.1018
YIQ	157.1380, -133.8250, -47.1770

Conversions

Conversions Part 2

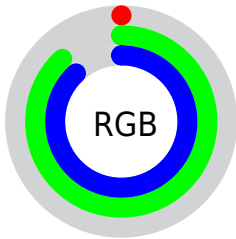
Format	Color
RYB	0, 112, 225
Decimal	57569
CIELab	81.00, -43.30, -13.31
CIELCh	81, 45.298, 197.082
Yxy	58.4711, 0.2242, 0.3274
Android (android.graphics.Color)	4278247649 (0xFF00E0E1)
YUV	157.1380, 33.4560, -137.8100
Hunter-Lab	76.4664, -40.3601, -8.5823

Details

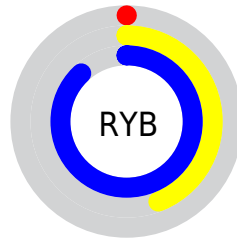
The CIELCh color **81, 45.298, 197.082** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 94.943, 40.037**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **62, 36.375, 198.214** is the 20% darker color. If you saturate the color by 10%, you get **81, 45.231, 197.086**, and if you desaturate by 10%, it is **81, 44.601, 197.066**.

Distribution



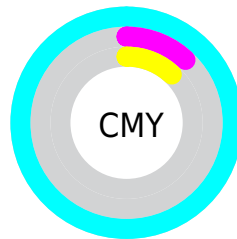
- Red (0%)
- Green (88%)
- Blue (88%)



- Red (0%)
- Yellow (44%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 45.298, 197.082 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, 45.298, 197.082 by changing the saturation by 10% instead.


 81, 45.298,
197.082


 81, 45.298,
197.082


 100, 45.298,
197.082


 71, 45.298,
197.082

 61, 45.298,
197.082

 51, 45.298,
197.082

 41, 45.298,
197.082

 31, 45.298,
197.082

 21, 45.298,
197.082

 11, 45.298,

197.082

■ 1, 45.298, 197.082

■ 0, 45.298, 197.082

■ 81, 45.298,
197.082

■ 81, 45.298,
197.082

■ 81, 45.231,
197.086

■ 81, 44.601,
197.066

■ 81, 43.223,
197.102

■ 82, 40.896,
197.206

■ 82, 37.569,
197.384

■ 83, 33.251,

197.635

■ 84, 28.006,
197.957

■ 85, 21.934,
198.346

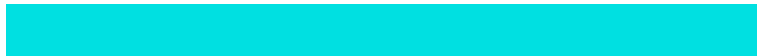
■ 86, 15.156,
198.799

■ 88, 7.802, 199.326

Harmonies

Complementary

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



81, 45.298, 197.082



47, 94.943, 40.037

Rectangle

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



81, 45.298, 197.082



81, 45.298, 247.082



81, 45.298, 17.082



81, 45.298, 67.082

Sweetspot

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



81, 45.231, 197.086



95, 24.295, 198.337



78, 108.811, 136.016



50, 16.288, 198.165



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, 45.231, 197.086



91, 49.787, 197.091



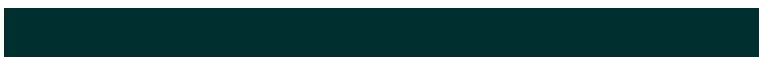
48, 66.444, 284.687



46, 4.434, 199.359



65, 37.697, 197.075



17, 15.501, 196.962

Inverse Universe

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



53, 104.615, 328.413



60, 115.156, 328.414



60, 77.642, 60.074



44, 8.129, 325.059



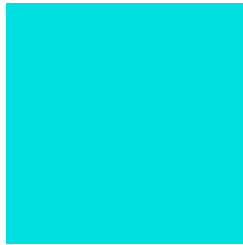
42, 87.186, 328.410



8, 35.819, 328.377

Previews

White Background



This preview shows how the CIE LCh color 81, 45.298, 197.082 looks on a white background.

Color Contrast Check

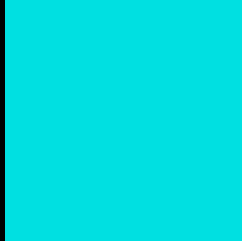
Large Text (above 18pt) WCAG AA × Fail

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, 45.298, 197.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

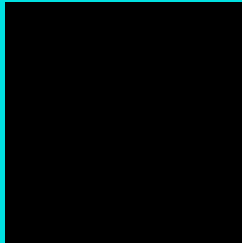
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 45.298, 197.082

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.298, 197.082.

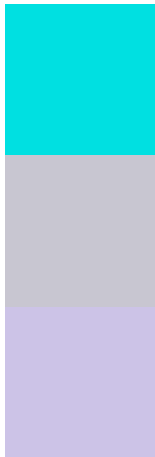


This preview shows how white text looks on a background with the CIELCh color 81, 45.298, 197.082.

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](#).

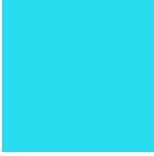
Dichromacy



Original Color
81, 45.298, 197.082

Protanopia
80, 5.917, 297.667

Deuteranopia
81, 19.493, 300.972

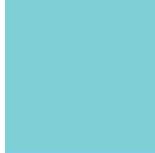


Tritanopia
81, 41.812, 210.172

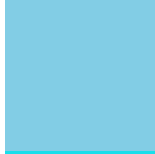
Trichromacy



Original Color
81, 45.298, 197.082



Protanomaly
78, 25.313, 207.494



Deuteranomaly
78, 25.693, 228.244

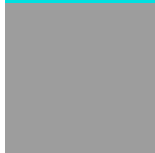


Tritanomaly
81, 43.089, 205.243

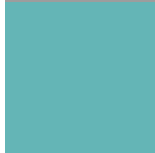
Monochromacy



Original Color
81, 45.298, 197.082



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 25.802, 198.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.298, 197.082 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(0, 224, 225)` looks like.

```
.text, #text, p{  
  color:rgb(0, 224, 225)  
}
```

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(0, 224, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.298, 197.082 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(0, 224, 225) }
```

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

```
.border{ border-color:rgb(0, 224, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.298, 197.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 225) }
```

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

```
.background{ background-color: rgb(0, 224,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor