

Converting Colors

CIELCh(81, 42.922, 202.348)

Have a look what the booklet for
CIELCh(81, 42.922, 202.348)
contains.

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Color

CIELCh(81, 42.859, 202.360)

Conversions

Conversions Part 1

Format	Color
Hex	24DEE6
RGB	36, 222, 230
RGB Percent	14%, 87%, 90%
CMY	0.8602, 0.1284, 0.0971
CMYK	0.85, 0.03, 0.00, 0.10
HSL	182°, 80%, 52%
HSV	182°, 85%, 90%
XYZ	41.2204, 58.4711, 84.1598
YIQ	167.2980, -113.4240, -36.9440

Conversions

Conversions Part 2

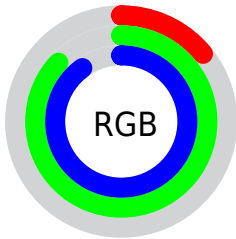
Format	Color
RYB	36, 131, 230
Decimal	2416358
CIELab	81.00, -39.64, -16.30
CIELCh	81, 42.859, 202.360
Yxy	58.4711, 0.2242, 0.3180
Android (android.graphics.Color)	4280606438 (0xFF24DEE6)
YUV	167.2980, 30.9121, -115.1483
Hunter-Lab	76.4664, -37.5930, -11.7288

Details

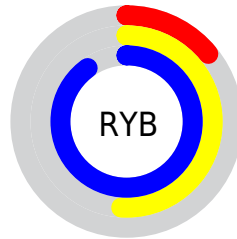
The CIELCh color **81, 42.859, 202.360** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **50, 85.340, 36.746**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **62, 35.305, 204.903** is the 20% darker color. If you saturate the color by 10%, you get **81, 43.668, 202.881**, and if you desaturate by 10%, it is **82, 41.128, 201.990**.

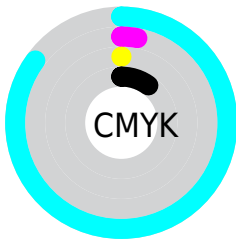
Distribution



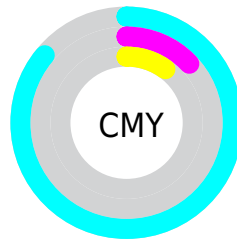
- Red (14%)
- Green (87%)
- Blue (90%)



- Red (14%)
- Yellow (51%)
- Blue (90%)



- Cyan (85%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)





- Cyan (86%)
- Magenta (13%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 42.859, 202.360 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, 42.859, 202.360 by changing the saturation by 10% instead.


 81, 42.859,
202.360


 81, 42.859,
202.360


 100, 42.859,
202.360


 71, 42.859,
202.360

 61, 42.859,
202.360

 51, 42.859,
202.360

 41, 42.859,
202.360

 31, 42.859,
202.360

 21, 42.859,
202.360

 11, 42.859,

202.360

■ 1, 42.859, 202.360

■ 0, 42.859, 202.360

■ 81, 42.859,
202.360

■ 81, 42.859,
202.360

■ 81, 43.668,
202.881

■ 82, 41.128,
201.990

■ 80, 43.847,
203.215

■ 82, 38.394,
201.769

■ 83, 34.645,
201.686

■ 84, 29.929,
201.727

■ 86, 24.336,

201.877

■ 87, 17.984,
202.125

■ 89, 11.000,
202.463

■ 91, 3.513, 202.962

■ 92, 4.359, 23.074

Harmonies

Complementary

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



81, 42.859, 202.360



50, 85.340, 36.746

Rectangle

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



81, 42.859, 202.360



81, 42.859, 252.360



81, 42.859, 22.360



81, 42.859, 72.360

Sweetspot

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



81, 42.858, 202.359



95, 19.877, 202.107



80, 104.501, 137.204



50, 13.382, 202.011



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, 42.858, 202.359



88, 47.353, 203.256



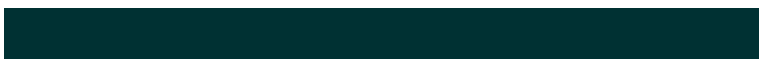
53, 60.907, 281.085



47, 4.353, 202.677



64, 36.274, 203.096



18, 15.344, 202.007

Inverse Universe

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



55, 99.764, 329.601



60, 111.833, 329.971



66, 70.078, 66.891



45, 8.077, 326.065



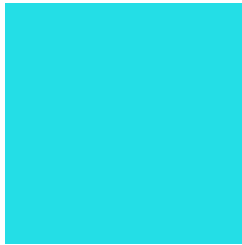
42, 85.633, 329.931



8, 36.113, 329.660

Previews

White Background



This preview shows how the CIE LCh color 81, 42.859, 202.360 looks on a white background.

Color Contrast Check

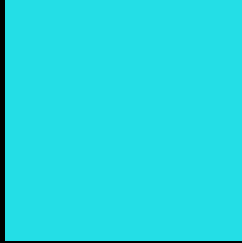
Large Text (above 18pt) WCAG AA × Fail

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, 42.859, 202.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

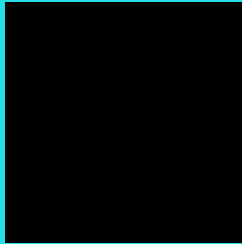
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 42.859, 202.360

Background



This preview shows how black text looks on a background with the CIELCh color 81, 42.859, 202.360.

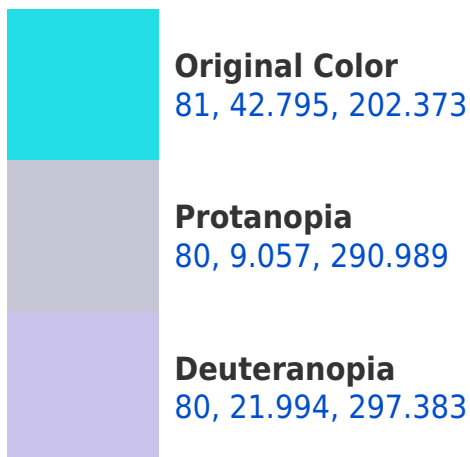


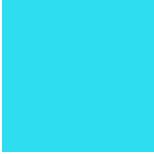
This preview shows how white text looks on a background with the CIELCh color 81, 42.859, 202.360.

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



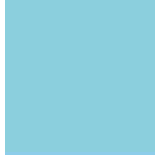


Tritanopia
81, 41.368, 210.344

Trichromacy



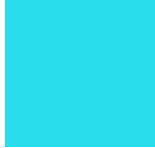
Original Color
81, 42.795, 202.373



Protanomaly
79, 22.555, 217.495



Deuteranomaly
79, 24.518, 237.786

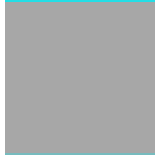


Tritanomaly
81, 41.760, 207.885

Monochromacy



Original Color
81, 42.795, 202.373



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 22.274, 201.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 42.859, 202.360 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(36, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(36, 222, 230)  
}
```

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(36, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 222, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 42.859, 202.360 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(36, 222, 230) }
```

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

```
.border{ border-color:rgb(36, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(36, 222,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 42.859, 202.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 222, 230) }
```

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

```
.background{ background-color: rgb(36, 222,  
230) }
```

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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