

Converting Colors

CIELCh(81, 36.344, 200.388)

Have a look what the booklet for
CIELCh(81, 36.344, 200.388)
contains.

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Color

CIELCh(81, 36.397, 200.345)

Conversions

Conversions Part 1

Format	Color
Hex	5ADCE0
RGB	90, 220, 224
RGB Percent	35%, 86%, 88%
CMY	0.6490, 0.1389, 0.1232
CMYK	0.60, 0.02, 0.00, 0.12
HSL	182°, 68%, 61%
HSV	182°, 60%, 88%
XYZ	43.0471, 58.4711, 79.2377
YIQ	181.5860, -78.7640, -26.3160

Conversions

Conversions Part 2

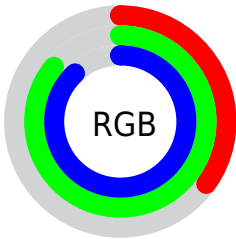
Format	Color
RYB	90, 156, 224
Decimal	5954784
CIELab	81.00, -34.13, -12.65
CIElCh	81, 36.397, 200.345
Yxy	58.4711, 0.2382, 0.3235
Android (android.graphics.Color)	4284144864 (0xFF5ADCE0)
YUV	181.5860, 20.9101, -80.3209
Hunter-Lab	76.4664, -33.3288, -7.9123

Details

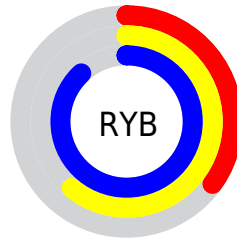
The CIELCh color **81, 36.397, 200.345** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 57.847, 29.157**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **61, 35.356, 201.111** is the 20% darker color. If you saturate the color by 10%, you get **80, 39.584, 200.391**, and if you desaturate by 10%, it is **82, 32.232, 200.408**.

Distribution



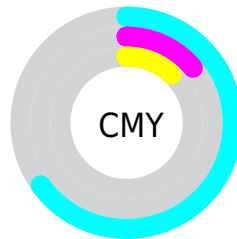
- Red (35%)
- Green (86%)
- Blue (88%)



- Red (35%)
- Yellow (61%)
- Blue (88%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)





- Cyan (65%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 36.397, 200.345 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, 36.397, 200.345 by changing the saturation by 10% instead.


 81, 36.397,
200.345


 81, 36.397,
200.345


 100, 36.397,
200.345


 71, 36.397,
200.345

 61, 36.397,
200.345

 51, 36.397,
200.345

 41, 36.397,
200.345

 31, 36.397,
200.345

 21, 36.397,
200.345

 11, 36.397,

200.345

■ 1, 36.397, 200.345

■ 0, 36.397, 200.345

■ 81, 36.397,
200.345

■ 81, 36.397,
200.345

■ 80, 39.584,
200.391

■ 82, 32.232,
200.408

■ 80, 41.776,
200.558

■ 83, 27.155,
200.575

■ 79, 43.022,
200.848

■ 84, 21.268,
200.833

■ 79, 43.518,
201.247

■ 86, 14.691,
201.174

■ 79, 43.519,

■ 87, 7.551, 201.605

201.248

■ 89, 0.030, 1.380

■ 91, 7.936, 22.378

■ 92, 11.049, 23.683

■ 92, 10.833, 25.545

Harmonies

Complementary

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



81, 36.397, 200.345



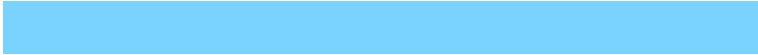
57, 57.847, 29.157

Rectangle

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



81, 36.397, 200.345



81, 36.397, 250.345



81, 36.397, 20.345



81, 36.397, 70.345

Sweetspot

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



81, 36.397, 200.343



97, 14.822, 201.246



80, 81.445, 139.600



51, 10.202, 201.133



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, 36.397, 200.343



90, 44.443, 200.422



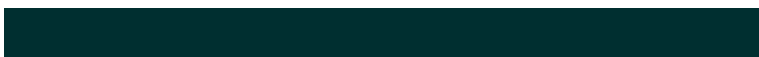
62, 41.375, 269.856



46, 4.321, 201.631



63, 36.410, 201.168



17, 15.053, 200.360

Inverse Universe

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



60, 79.773, 328.371



64, 100.670, 328.836



70, 48.273, 69.427



44, 7.991, 325.749



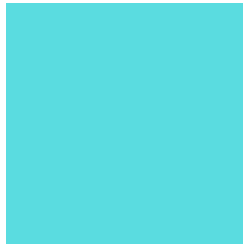
41, 85.476, 329.449



8, 35.219, 329.239

Previews

White Background



This preview shows how the CIE LCh color 81, 36.397, 200.345 looks on a white background.

Color Contrast Check

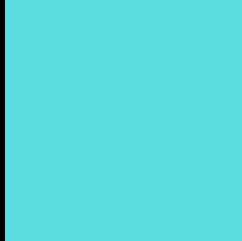
Large Text (above 18pt) WCAG AA × Fail

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, 36.397, 200.345 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, 36.397, 200.345

Background



This preview shows how black text looks on a background with the CIELCh color 81, 36.397, 200.345.

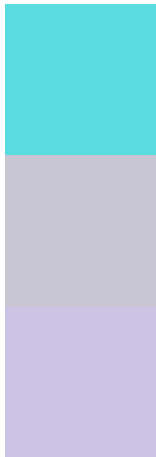


This preview shows how white text looks on a background with the CIELCh color 81, 36.397, 200.345.

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, 36.397, 200.345

Protanopia
80, 6.975, 296.675

Deuteranopia
81, 18.509, 302.507



Tritanopia
81, 34.697, 212.483

Trichromacy



Original Color
81, 36.397, 200.345



Protanomaly
80, 16.099, 217.839



Deuteranomaly
80, 17.829, 242.395

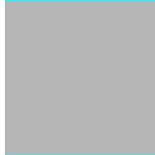


Tritanomaly
81, 35.239, 207.656

Monochromacy



Original Color
81, 36.397, 200.345



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 16.102, 200.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 36.397, 200.345 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(90, 220, 224)` looks like.

```
.text, #text, p{  
    color:rgb(90, 220, 224)  
}
```

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(90, 220, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 220, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 36.397, 200.345 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(90, 220, 224) }
```

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

```
.border{ border-color:rgb(90, 220, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 220, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(90, 220,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 36.397, 200.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 220, 224) }
```

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

```
.background{ background-color: rgb(90, 220,  
224) }
```

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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