

Converting Colors

CIELCh(81, 33.839, 211.314)

Have a look what the booklet for
CIELCh(81, 33.839, 211.314)
contains.

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Color

CIELCh(81, 33.955, 210.964)

Conversions

Conversions Part 1

Format	Color
Hex	63DAE9
RGB	99, 218, 233
RGB Percent	39%, 85%, 91%
CMY	0.6132, 0.1464, 0.0876
CMYK	0.58, 0.06, 0.00, 0.09
HSL	187°, 75%, 65%
HSV	187°, 58%, 91%
XYZ	44.7543, 58.4711, 85.7728
YIQ	184.1290, -75.7390, -20.5630

Conversions

Conversions Part 2

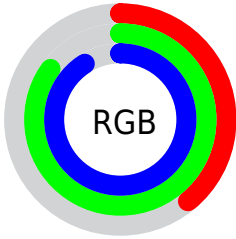
Format	Color
RYB	99, 162, 233
Decimal	6544105
CIELab	81.00, -29.12, -17.47
CIELCh	81, 33.955, 210.964
Yxy	58.4711, 0.2368, 0.3094
Android (android.graphics.Color)	4284734185 (0xFF63DAE9)
YUV	184.1290, 24.0934, -74.6581
Hunter-Lab	76.4664, -29.3436, -12.9795

Details

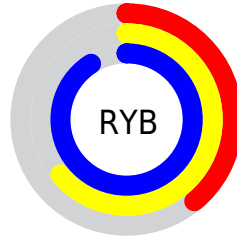
The CIELCh color **81, 33.955, 210.964** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 53.934, 33.814**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **61, 34.008, 210.295** is the 20% darker color. If you saturate the color by 10%, you get **80, 37.186, 211.832**, and if you desaturate by 10%, it is **83, 29.776, 210.356**.

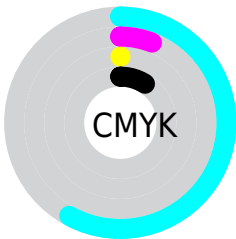
Distribution



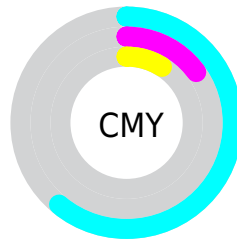
- Red (39%)
- Green (85%)
- Blue (91%)



- Red (39%)
- Yellow (64%)
- Blue (91%)



- Cyan (58%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (61%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 33.955, 210.964 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, 33.955, 210.964 by changing the saturation by 10% instead.

■ 81, 33.955,
210.964

■ 81, 33.955,
210.964

■ 100, 33.955,
210.964

■ 71, 33.955,
210.964

■ 61, 33.955,
210.964

■ 51, 33.955,
210.964

■ 41, 33.955,
210.964

■ 31, 33.955,
210.964

■ 21, 33.955,
210.964

■ 11, 33.955,

210.964

■ 1, 33.955, 210.964

■ 0, 33.955, 210.964

■ 81, 33.955,
210.964

■ 81, 33.955,
210.964

■ 80, 37.186,
211.832

■ 83, 29.776,
210.356

■ 78, 39.434,
213.012

■ 84, 24.733,
209.970

■ 77, 40.730,
214.547

■ 86, 18.935,
209.766

■ 76, 41.201,
216.460

■ 88, 12.502,
209.716

■ 76, 41.260,

■ 90, 5.557, 209.826

216.948

■ 93, 1.790, 29.504

■ 95, 7.089, 33.221

■ 95, 6.652, 46.254

■ 96, 6.596, 60.261

Harmonies

Complementary

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



81, 33.955, 210.964



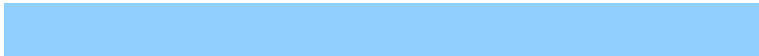
62, 53.934, 33.814

Rectangle

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



81, 33.955, 210.964



81, 33.955, 260.964



81, 33.955, 30.964



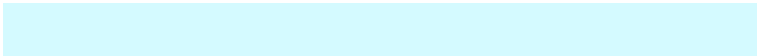
81, 33.955, 80.964

Sweetspot

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



81, 33.954, 210.962



96, 13.025, 209.717



83, 77.087, 142.026



51, 8.657, 209.715



0, 0.000, 0.000



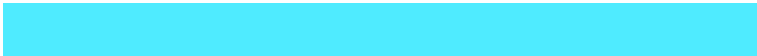
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 33.954, 210.962



86, 40.350, 212.014



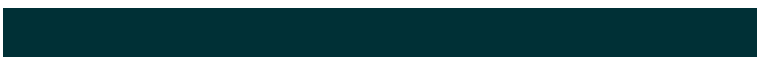
63, 46.321, 277.175



48, 4.158, 209.788



61, 34.233, 216.575



17, 14.833, 213.270

Inverse Universe

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



63, 75.504, 331.034



64, 92.722, 331.686



76, 49.149, 77.537



46, 7.832, 328.164



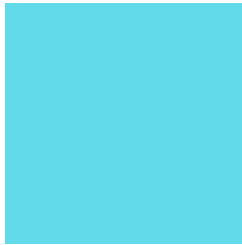
42, 81.869, 333.246



9, 35.508, 332.435

Previews

White Background



This preview shows how the CIE LCh color 81, 33.955, 210.964 looks on a white background.

Color Contrast Check

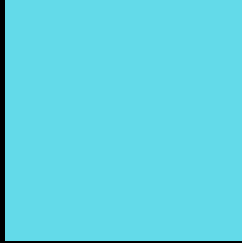
Large Text (above 18pt) WCAG AA × Fail

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, 33.955, 210.964 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, 33.955, 210.964

Background



This preview shows how black text looks on a background with the CIELCh color 81, 33.955, 210.964.

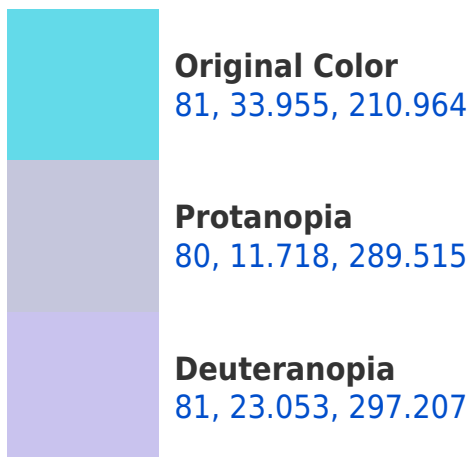



This preview shows how white text looks on a background with the CIELCh color 81, 33.955, 210.964.

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, 33.648, 214.009

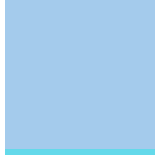
Trichromacy



Original Color
81, 33.955, 210.964



Protanomaly
80, 17.606, 236.058



Deuteranomaly
80, 21.168, 255.465

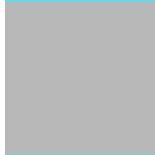


Tritanomaly
81, 33.613, 213.059

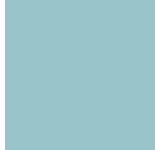
Monochromacy



Original Color
81, 33.955, 210.964



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 14.905, 210.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 33.955, 210.964 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(99, 218, 233)` looks like.

```
.text, #text, p{  
    color:rgb(99, 218, 233)  
}
```

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(99, 218, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 218, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 33.955, 210.964 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(99, 218, 233) }
```

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

```
.border{ border-color:rgb(99, 218, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 218, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 218, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 218, 233);  
box-shadow:4px 4px 4px 4px rgb(99, 218,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 33.955, 210.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 218, 233) }
```

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

```
.background{ background-color: rgb(99, 218,  
233) }
```

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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