

Converting Colors

CIELCh(81, 33.171, 225.034)

Have a look what the booklet for
CIELCh(81, 33.171, 225.034)
contains.

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Color

CIELCh(81, 33.211, 225.543)

Conversions

Conversions Part 1

Format	Color
Hex	6AD7F4
RGB	106, 215, 244
RGB Percent	42%, 84%, 96%
CMY	0.5824, 0.1552, 0.0414
CMYK	0.56, 0.12, 0.00, 0.04
HSL	193°, 87%, 69%
HSV	193°, 56%, 96%
XYZ	46.8061, 58.4711, 94.7558
YIQ	185.7150, -74.2730, -14.0890

Conversions

Conversions Part 2

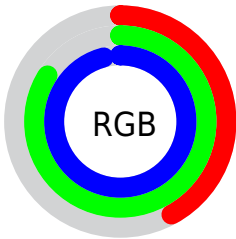
Format	Color
R _Y B	106, 167, 244
Decimal	7002100
CIE Lab	81.00, -23.26, -23.71
CIE LCh	81, 33.211, 225.543
Yxy	58.4711, 0.2340, 0.2923
Android (android.graphics.Color)	4285192180 (0xFF6AD7F4)
YUV	185.7150, 28.7345, -69.9101
Hunter-Lab	76.4664, -24.5539, -19.9447

Details

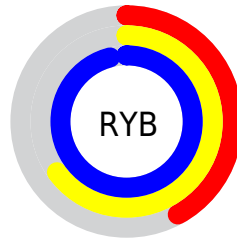
The CIELCh color **81, 33.211, 225.543** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **68, 51.522, 41.113**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **61, 33.223, 225.868** is the 20% darker color. If you saturate the color by 10%, you get **79, 36.759, 227.544**, and if you desaturate by 10%, it is **83, 28.820, 224.001**.

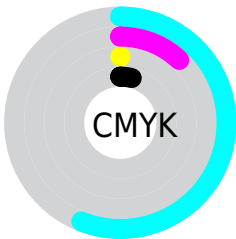
Distribution



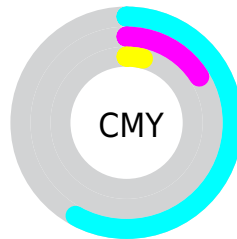
- Red (42%)
- Green (84%)
- Blue (96%)



- Red (42%)
- Yellow (65%)
- Blue (96%)



- Cyan (56%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)





- Cyan (58%)
- Magenta (16%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 33.211, 225.543 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, 33.211, 225.543 by changing the saturation by 10% instead.


 81, 33.211,
225.543


 81, 33.211,
225.543


 100, 33.211,
225.543


 71, 33.211,
225.543

 61, 33.211,
225.543

 51, 33.211,
225.543

 41, 33.211,
225.543

 31, 33.211,
225.543

 21, 33.211,
225.543

 11, 33.211,

225.543

■ 1, 33.211, 225.543

■ 0, 33.211, 225.543

■ 81, 33.211,
225.543

■ 81, 33.211,
225.543

■ 79, 36.759,
227.544

■ 83, 28.820,
224.001

■ 77, 39.446,
230.098

■ 86, 23.661,
222.839

■ 75, 41.320,
233.284

■ 89, 17.833,
221.982

■ 73, 42.532,
237.135

■ 91, 11.444,
221.373

■ 73, 42.899,

■ 94, 4.601, 221.013

238.598

97, 2.597, 40.339

99, 3.743, 90.001

100, 5.344,
109.764

Harmonies

Complementary

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



81, 33.211, 225.543



68, 51.522, 41.113

Rectangle

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



81, 33.211, 225.543



81, 33.211, 275.543



81, 33.211, 45.543



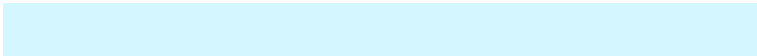
81, 33.211, 95.543

Sweetspot

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



81, 33.210, 225.542



95, 12.227, 221.403



87, 73.454, 145.141



50, 8.130, 221.510



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, 33.210, 225.542



82, 38.495, 227.941



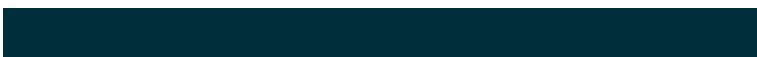
62, 54.485, 284.530



50, 4.037, 221.088



57, 34.885, 237.824



17, 15.320, 231.756

Inverse Universe

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



65, 72.322, 334.801



64, 85.966, 335.753



83, 53.052, 86.213



48, 7.568, 331.460



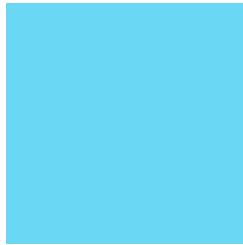
42, 77.523, 338.795



10, 35.189, 337.114

Previews

White Background



This preview shows how the CIE LCh color 81, 33.211, 225.543 looks on a white background.

Color Contrast Check

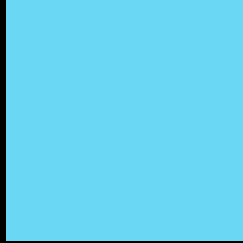
Large Text (above 18pt) WCAG AA × Fail

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, 33.211, 225.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

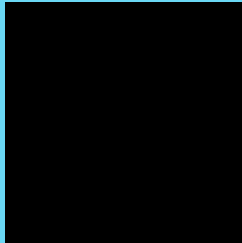
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 33.211, 225.543

Background



This preview shows how black text looks on a background with the CIELCh color 81, 33.211, 225.543.



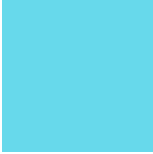
This preview shows how white text looks on a background with the CIELCh color 81, 33.211, 225.543.

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, 33.100, 214.325

Trichromacy



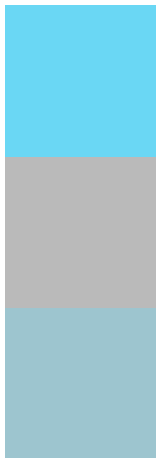
Original Color
81, 33.211, 225.543

Protanomaly
80, 21.658, 253.467

Deuteranomaly
80, 26.188, 263.045

Tritanomaly
81, 32.966, 218.436

Monochromacy



Original Color
81, 33.211, 225.543

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 14.423, 220.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 33.211, 225.543 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(106, 215, 244)` looks like.

```
.text, #text, p{  
    color:rgb(106, 215, 244)  
}
```

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(106, 215, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 215, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 33.211, 225.543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

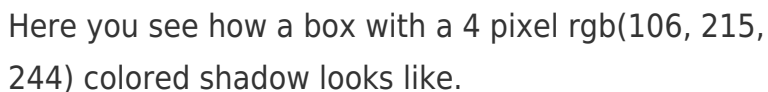
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 215, 244) }
```

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

```
.border{ border-color:rgb(106, 215, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 215, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 215, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 215, 244); box-shadow:4px 4px 4px 4px rgb(106, 215, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 33.211, 225.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 215, 244) }
```

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

```
.background{ background-color: rgb(106,  
215, 244) }
```

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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