

Converting Colors

CIELCh(82, 33.158, 214.263)

Have a look what the booklet for
CIELCh(82, 33.158, 214.263)
contains.

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Color

CIELCh(82, 33.158, 214.263)

Conversions

Conversions Part 1

Format	Color
Hex	6ADCEE
RGB	106, 220, 238
RGB Percent	42%, 86%, 93%
CMY	0.5851, 0.1380, 0.0674
CMYK	0.56, 0.08, 0.00, 0.07
HSL	188°, 79%, 67%
HSV	188°, 56%, 93%
XYZ	46.8654, 60.2982, 89.9082
YIQ	187.9660, -73.7220, -18.5700

Conversions

Conversions Part 2

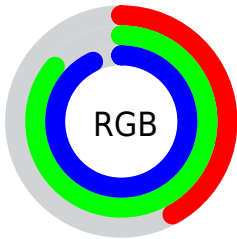
Format	Color
R _{YB}	106, 167, 238
Decimal	7003374
CIE _{Lab}	82.00, -27.40, -18.67
CIE _{LCh}	82, 33.158, 214.263
Y _{xy}	60.2982, 0.2378, 0.3060
Android (android.graphics.Color)	4285193454 (0xFF6ADCEE)
YUV	187.9660, 24.6668, -71.8842
Hunter-Lab	77.6519, -28.1603, -14.2918

Details

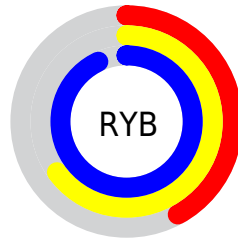
The CIELCh color **82, 33.158, 214.263** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 51.684, 35.268**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **62, 33.243, 213.761** is the 20% darker color. If you saturate the color by 10%, you get **80, 36.613, 215.351**, and if you desaturate by 10%, it is **84, 28.776, 213.476**.

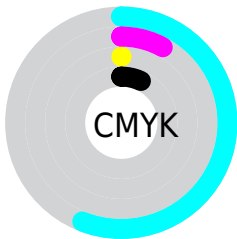
Distribution



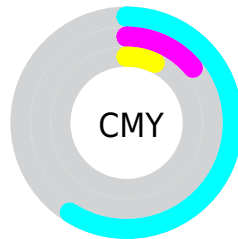
- Red (42%)
- Green (86%)
- Blue (93%)



- Red (42%)
- Yellow (65%)
- Blue (93%)



- Cyan (56%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (59%)
- Magenta (14%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 33.158, 214.263 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 82, 33.158, 214.263 by changing the saturation by 10% instead.


 82, 33.158,
214.263


 82, 33.158,
214.263


 100, 33.158,
214.263


 72, 33.158,
214.263

 62, 33.158,
214.263

 52, 33.158,
214.263

 42, 33.158,
214.263

 32, 33.158,
214.263

 22, 33.158,
214.263

 12, 33.158,

214.263

■ 2, 33.158, 214.263

■ 0, 33.158, 214.263

■ 82, 33.158,
214.263

■ 82, 33.158,
214.263

■ 80, 36.613,
215.351

■ 84, 28.776,
213.476

■ 79, 39.098,
216.806

■ 86, 23.559,
212.943

■ 78, 40.631,
218.684

■ 88, 17.617,
212.615

■ 77, 41.316,
221.029

■ 90, 11.073,
212.460

■ 76, 41.460,

■ 93, 4.044, 212.511

222.192

95, 3.363, 32.217

97, 5.063, 47.758

97, 5.208, 70.284

98, 6.059, 88.899

Harmonies

Complementary

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



82, 33.158, 214.263



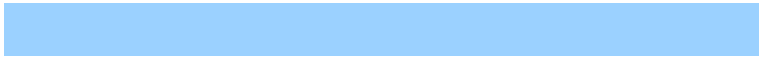
65, 51.684, 35.268

Rectangle

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



82, 33.158, 214.263



82, 33.158, 264.263



82, 33.158, 34.263



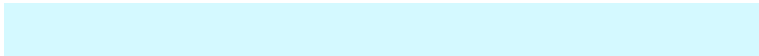
82, 33.158, 84.263

Sweetspot

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



82, 33.157, 214.261



96, 12.780, 212.474



85, 74.245, 143.236



50, 8.494, 212.497



0, 0.000, 0.000



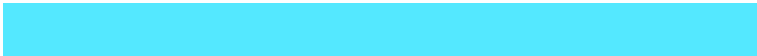
53, 0.007, 296.813

Same Dimension

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



82, 33.157, 214.261



85, 39.129, 215.577



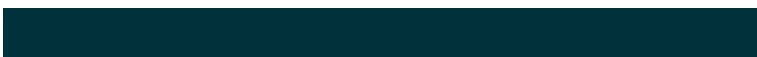
64, 47.621, 279.342



49, 4.152, 212.452



60, 34.177, 221.714



18, 15.050, 217.735

Inverse Universe

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



65, 73.327, 331.807



65, 89.450, 332.529



79, 48.979, 80.800



47, 7.837, 328.940



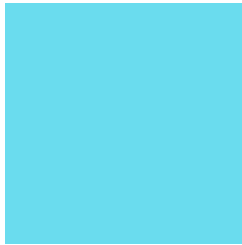
42, 81.161, 334.520



9, 35.954, 333.532

Previews

White Background



This preview shows how the CIE LCh color 82, 33.158, 214.263 looks on a white background.

Color Contrast Check

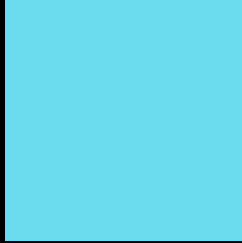
Large Text (above 18pt) WCAG AA × Fail

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 82, 33.158, 214.263 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 82, 33.158, 214.263

Background



This preview shows how black text looks on a background with the CIELCh color 82, 33.158, 214.263.

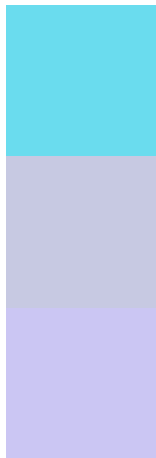


This preview shows how white text looks on a background with the CIELCh color 82, 33.158, 214.263.

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

82, 33.158, 214.263

Protanopia

82, 13.283, 288.363

Deuteranopia

82, 24.015, 296.234

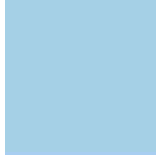


Tritanopia
82, 33.158, 214.263

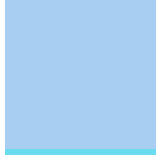
Trichromacy



Original Color
82, 33.158, 214.263



Protanomaly
81, 17.923, 239.585



Deuteranomaly
81, 21.798, 257.909

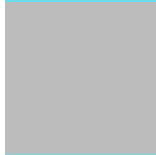


Tritanomaly
82, 33.158, 214.263

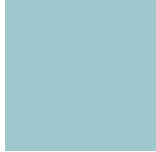
Monochromacy



Original Color
82, 33.158, 214.263



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 14.565, 211.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 33.158, 214.263 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, 220, 238)` looks like.

```
.text, #text, p{  
    color:rgb(106, 220, 238)  
}
```

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, 220, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 220, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 33.158, 214.263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

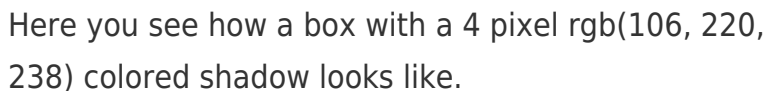
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 220, 238) }
```

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

```
.border{ border-color:rgb(106, 220, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 220, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 220, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 220, 238);  
box-shadow:4px 4px 4px 4px rgb(106, 220,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 33.158, 214.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 220, 238) }
```

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

```
.background{ background-color: rgb(106,  
220, 238) }
```

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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