

Converting Colors

CIELCh(81, 18.791, 217.114)

Have a look what the booklet for
CIELCh(81, 18.791, 217.114)
contains.

CIELCh(81, 18.856, 218.145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 18.856, 218.145)

Conversions

Conversions Part 1

Format	Color
Hex	9BD2DE
RGB	155, 210, 222
RGB Percent	61%, 82%, 87%
CMY	0.3913, 0.1756, 0.1286
CMYK	0.30, 0.05, 0.00, 0.13
HSL	191°, 51%, 74%
HSV	191°, 30%, 87%
XYZ	49.8689, 58.4711, 77.9135
YIQ	194.9230, -36.6320, -7.9280

Conversions

Conversions Part 2

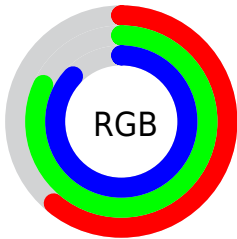
Format	Color
R _{YB}	155, 185, 222
Decimal	10212062
CIE _{Lab}	81.00, -14.83, -11.65
CIE _{LCh}	81, 18.856, 218.145
Y _{xy}	58.4711, 0.2677, 0.3139
Android (android.graphics.Color)	4288402142 (0xFF9BD2DE)
YUV	194.9230, 13.3490, -35.0125
Hunter-Lab	76.4664, -17.4044, -6.8856

Details

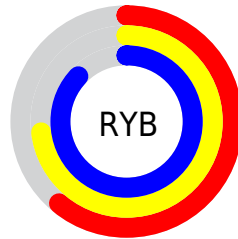
The CIELCh color **81, 18.856, 218.145** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 23.314, 37.154**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.683, 198.527**, and **61, 18.878, 219.120** is the 20% darker color. If you saturate the color by 10%, you get **79, 24.078, 218.864**, and if you desaturate by 10%, it is **83, 13.050, 217.648**.

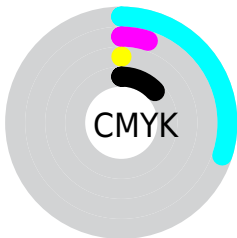
Distribution



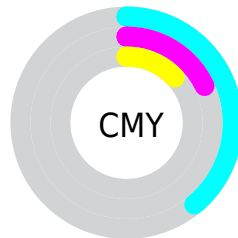
- Red (61%)
- Green (82%)
- Blue (87%)



- Red (61%)
- Yellow (73%)
- Blue (87%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)





- Cyan (39%)
- Magenta (18%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 18.856, 218.145 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, 18.856, 218.145 by changing the saturation by 10% instead.


 81, 18.856,
218.145


 81, 18.856,
218.145


 100, 18.856,
218.145


 71, 18.856,
218.145


 61, 18.856,
218.145

 51, 18.856,
218.145

 41, 18.856,
218.145

 31, 18.856,
218.145

 21, 18.856,
218.145

 11, 18.856,

218.145

■ 1, 18.856, 218.145

■ 0, 18.856, 218.145

■ 81, 18.856,
218.145

■ 81, 18.856,
218.145

■ 79, 24.078,
218.864

■ 83, 13.050,
217.648

■ 77, 28.613,
219.870

■ 86, 6.767, 217.360

■ 75, 32.368,
221.225

■ 89, 0.106, 222.655

■ 91, 6.847, 36.906

■ 73, 35.283,
223.004

■ 93, 10.006, 43.775

■ 71, 37.348,

■ 94, 9.802, 58.068

225.285

95, 10.216, 72.025

70, 38.625,
228.138

96, 11.176, 84.194

69, 39.325,
231.464

97, 12.552, 94.027

Harmonies

Complementary

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



81, 18.856, 218.145



73, 23.314, 37.154

Rectangle

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



81, 18.856, 218.145



81, 18.856, 268.145



81, 18.856, 38.145



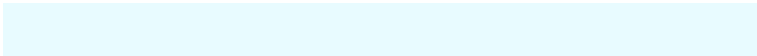
81, 18.856, 88.145

Sweetspot

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



81, 18.856, 218.141



97, 6.727, 217.343



83, 38.331, 147.130



52, 4.656, 217.366



0, 0.000, 0.000



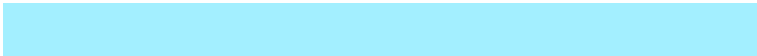
53, 0.007, 296.813

Same Dimension

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



81, 18.856, 218.141



90, 24.555, 218.553



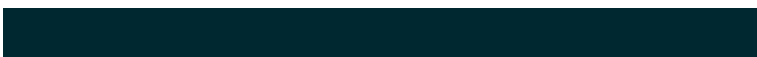
72, 25.101, 275.808



46, 3.822, 217.348



55, 33.013, 230.855



14, 13.556, 224.536

Inverse Universe

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



72, 38.114, 331.707



78, 50.691, 332.115



81, 25.268, 87.231



44, 7.203, 330.359



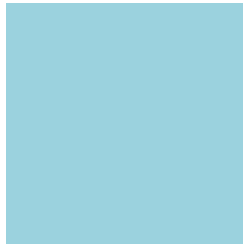
40, 76.138, 336.873



7, 31.826, 335.218

Previews

White Background



This preview shows how the CIELCh color 81, 18.856, 218.145 looks on a white background.

Color Contrast Check

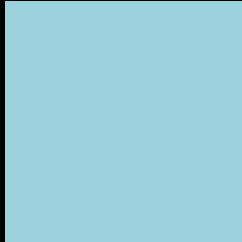
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 18.856, 218.145 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, 18.856, 218.145

Background



This preview shows how black text looks on a background with the CIELCh color 81, 18.856, 218.145.

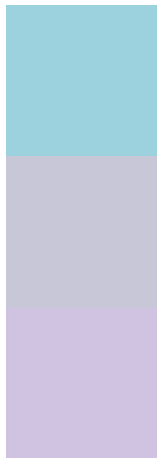


This preview shows how white text looks on a background with the CIELCh color 81, 18.856, 218.145.

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, 18.856, 218.145

Protanopia

81, 8.530, 293.316

Deuteranopia

81, 16.686, 307.360



Tritanopia
81, 19.179, 224.805

Trichromacy



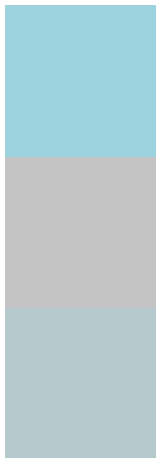
Original Color
81, 18.856, 218.145

Protanomaly
81, 10.189, 250.839

Deuteranomaly
81, 12.807, 272.536

Tritanomaly
81, 19.009, 223.259

Monochromacy



Original Color
81, 18.856, 218.145

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 7.336, 215.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 18.856, 218.145 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(155, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 210, 222)  
}
```

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(155, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 210, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 18.856, 218.145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

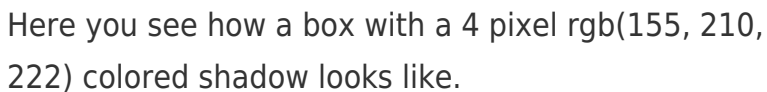
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 210, 222) }
```

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

```
.border{ border-color:rgb(155, 210, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 210, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 210, 222); box-shadow:4px 4px 4px 4px rgb(155, 210, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 18.856, 218.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 210, 222) }
```

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

```
.background{ background-color: rgb(155,  
210, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor