

Converting Colors

CIELCh(81, 21.591, 209.416)

Have a look what the booklet for
CIELCh(81, 21.591, 209.416)
contains.

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Color

CIELCh(81, 21.591, 209.416)

Conversions

Conversions Part 1

Format	Color
Hex	92D4DC
RGB	146, 212, 220
RGB Percent	57%, 83%, 86%
CMY	0.4268, 0.1680, 0.1366
CMYK	0.34, 0.04, 0.00, 0.14
HSL	186°, 52%, 72%
HSV	186°, 34%, 86%
XYZ	48.4076, 58.4711, 76.5597
YIQ	193.1780, -41.9040, -11.5040

Conversions

Conversions Part 2

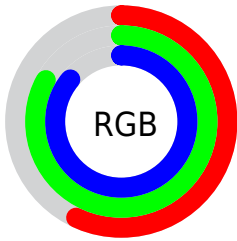
Format	Color
R_{YB}	146, 181, 220
Decimal	9622748
CIE _{Lab}	81.00, -18.81, -10.60
CIE _{LCh}	81, 21.591, 209.416
Yxy	58.4711, 0.2639, 0.3188
Android (android.graphics.Color)	4287812828 (0xFF92D4DC)
YUV	193.1780, 13.2232, -41.3751
Hunter-Lab	76.4664, -20.8155, -5.8359

Details

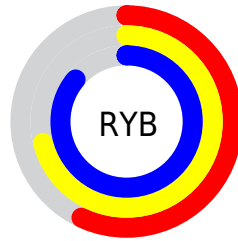
The CIELCh color **81, 21.591, 209.416** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 27.551, 30.815**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **61, 21.450, 209.872** is the 20% darker color. If you saturate the color by 10%, you get **79, 26.738, 209.691**, and if you desaturate by 10%, it is **83, 15.768, 209.297**.

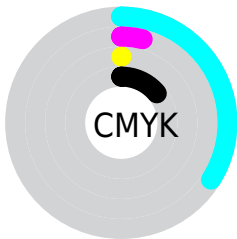
Distribution



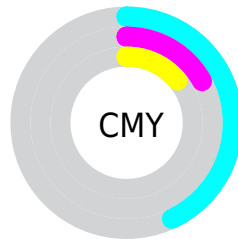
- Red (57%)
- Green (83%)
- Blue (86%)



- Red (57%)
- Yellow (71%)
- Blue (86%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (14%)





- Cyan (43%)
- Magenta (17%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 21.591, 209.416 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, 21.591, 209.416 by changing the saturation by 10% instead.


 81, 21.591,
209.416


 81, 21.591,
209.416


 100, 21.591,
209.416


 71, 21.591,
209.416

 61, 21.591,
209.416

 51, 21.591,
209.416

 41, 21.591,
209.416

 31, 21.591,
209.416

 21, 21.591,
209.416

 11, 21.591,

209.416

■ 1, 21.591, 209.416

■ 0, 21.591, 209.416

■ 81, 21.591,
209.416

■ 81, 21.591,
209.416

■ 79, 26.738,
209.691

■ 83, 15.768,
209.297

■ 78, 31.099,
210.167

■ 85, 9.385, 209.326

■ 76, 34.582,
210.878

■ 87, 2.556, 209.599

■ 89, 4.616, 29.418

■ 75, 37.133,
211.870

■ 92, 11.581, 30.096

■ 74, 38.752,

■ 92, 11.016, 37.054

213.185

93, 10.632, 44.633

73, 39.509,
214.860

93, 10.449, 52.618

73, 39.684,
216.084

94, 10.475, 60.713

Harmonies

Complementary

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



81, 21.591, 209.416



70, 27.551, 30.815

Rectangle

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



81, 21.591, 209.416



81, 21.591, 259.416



81, 21.591, 29.416



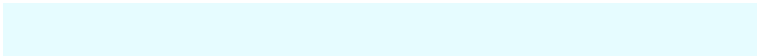
81, 21.591, 79.416

Sweetspot

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



81, 21.591, 209.412



98, 7.844, 209.373



82, 44.419, 144.759



52, 5.331, 209.351



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, 21.591, 209.412



91, 28.079, 209.580



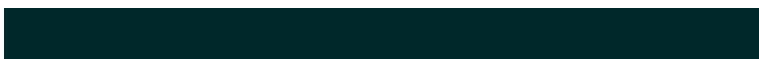
71, 25.646, 270.940



45, 3.947, 209.385



58, 33.245, 215.729



14, 13.545, 212.019

Inverse Universe

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



70, 44.191, 329.495



76, 58.860, 329.894



79, 26.650, 80.988



43, 7.429, 328.042



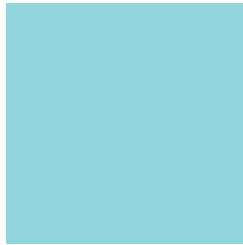
40, 79.546, 333.038



7, 32.038, 332.057

Previews

White Background



This preview shows how the CIE LCh color 81, 21.591, 209.416 looks on a white background.

Color Contrast Check

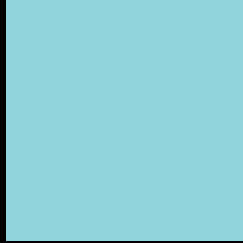
Large Text (above 18pt) WCAG AA × Fail

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, 21.591, 209.416 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, 21.591, 209.416

Background



This preview shows how black text looks on a background with the CIELCh color 81, 21.591, 209.416.

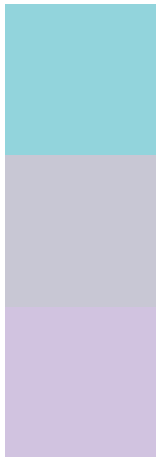


This preview shows how white text looks on a background with the CIELCh color 81, 21.591, 209.416.

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, 21.591, 209.416

Protanopia

81, 6.936, 293.743

Deuteranopia

81, 16.280, 309.058



Tritanopia
81, 21.649, 223.001

Trichromacy



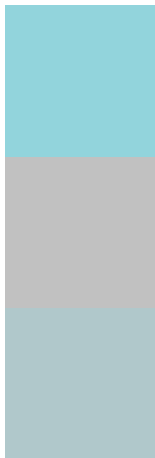
Original Color
81, 21.591, 209.416

Protanomaly
81, 10.015, 234.820

Deuteranomaly
80, 12.656, 267.304

Tritanomaly
81, 21.502, 218.491

Monochromacy



Original Color
81, 21.591, 209.416

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 8.573, 209.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 21.591, 209.416 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(146, 212, 220)` looks like.

```
.text, #text, p{  
    color:rgb(146, 212, 220)  
}
```

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(146, 212, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 212, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 21.591, 209.416 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(146, 212, 220) }
```

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

```
.border{ border-color:rgb(146, 212, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 212, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 212, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 212, 220);  
box-shadow:4px 4px 4px 4px rgb(146, 212,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 21.591, 209.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 212, 220) }
```

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

```
.background{ background-color: rgb(146,  
212, 220) }
```

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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