

Converting Colors

CIELCh(81, 13.236, 209.500)

Have a look what the booklet for
CIELCh(81, 13.236, 209.500)
contains.

CIELCh(81, 13.192, 210.210)	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, 13.192, 210.210)

Conversions

Conversions Part 1

Format	Color
Hex	AAD0D5
RGB	170, 208, 213
RGB Percent	67%, 82%, 84%
CMY	0.3333, 0.1842, 0.1646
CMYK	0.20, 0.02, 0.00, 0.16
HSL	187°, 34%, 75%
HSV	187°, 20%, 84%
XYZ	51.1518, 58.4711, 71.5506
YIQ	197.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

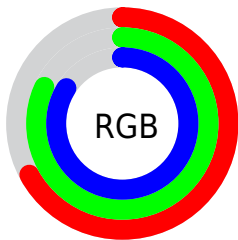
Format	Color
RYB	170, 190, 213
Decimal	11194581
CIELab	81.00, -11.40, -6.64
CIELCh	81, 13.192, 210.210
Yxy	58.4711, 0.2823, 0.3227
Android (android.graphics.Color)	4289384661 (0xFFAAD0D5)
YUV	197.2080, 7.7855, -23.8614
Hunter-Lab	76.4664, -14.4096, -1.9519

Details

The CIELCh color **81, 13.192, 210.210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 15.136, 30.758**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **61, 13.261, 208.115** is the 20% darker color. If you saturate the color by 10%, you get **79, 19.026, 210.313**, and if you desaturate by 10%, it is **83, 6.858, 210.243**.

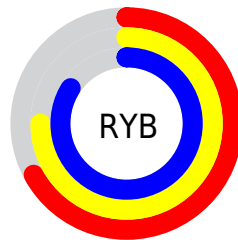
Distribution



Red (67%)

Green (82%)

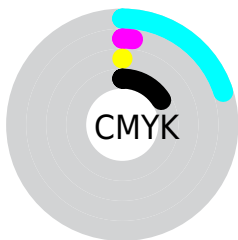
Blue (84%)



Red (67%)

Yellow (75%)

Blue (84%)

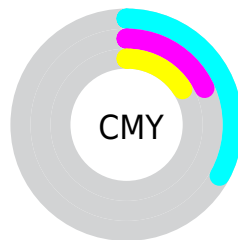


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (33%)


Magenta (18%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 13.192, 210.210 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, 13.192, 210.210 by changing the saturation by 10% instead.


 81, 13.192,
210.210


 81, 13.192,
210.210


 100, 13.192,
210.210


 71, 13.192,
210.210


 61, 13.192,
210.210

 51, 13.192,
210.210

 41, 13.192,
210.210

 31, 13.192,
210.210

 21, 13.192,
210.210

 11, 13.192,

210.210

■ 1, 13.192, 210.210

■ 0, 13.192, 210.210

■ 81, 13.192,
210.210

■ 81, 13.192,
210.210

■ 79, 19.026,
210.313

■ 83, 6.858, 210.243

■ 77, 24.249,
210.586

■ 85, 0.130, 214.745

■ 88, 6.901, 30.343

■ 76, 28.750,
211.053

■ 90, 14.068, 30.672

■ 74, 32.432,
211.755

■ 91, 13.474, 36.598

■ 91, 13.039, 42.992

■ 73, 35.231,

212.737

92, 12.779, 49.730

72, 37.123,
214.049

92, 12.704, 56.639

71, 38.154,
215.734

93, 12.817, 63.518

70, 38.522,
217.730

Harmonies

Complementary

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



81, 13.192, 210.210



75, 15.136, 30.758

Rectangle

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



81, 13.192, 210.210



81, 13.192, 260.210



81, 13.192, 30.210



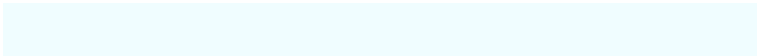
81, 13.192, 80.210

Sweetspot

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



81, 13.192, 210.203



98, 4.724, 210.329



81, 26.018, 145.934



52, 3.129, 210.310



0, 0.000, 0.000



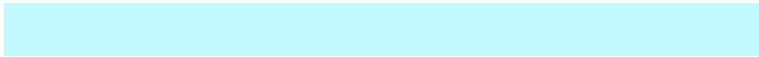
53, 0.007, 296.813

Same Dimension

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



81, 13.192, 210.203



94, 17.899, 210.230



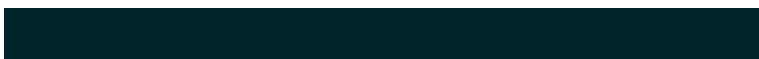
75, 14.937, 268.381



44, 3.846, 210.254



57, 32.717, 217.365



13, 13.022, 213.087

Inverse Universe

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



74, 25.771, 328.946



85, 35.465, 329.191



80, 15.268, 82.803



42, 7.245, 328.293



39, 78.192, 333.441



6, 30.266, 332.215

Previews

White Background



This preview shows how the CIE LCh color 81, 13.192, 210.210 looks on a white background.

Color Contrast Check

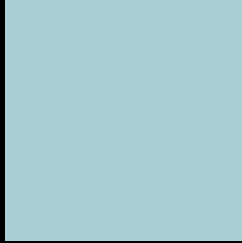
Large Text (above 18pt) WCAG AA × Fail

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, 13.192, 210.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

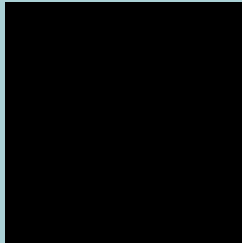
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

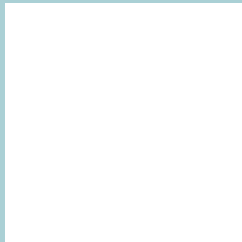
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 13.192, 210.210

Background



This preview shows how black text looks on a background with the CIELCh color 81, 13.192, 210.210.

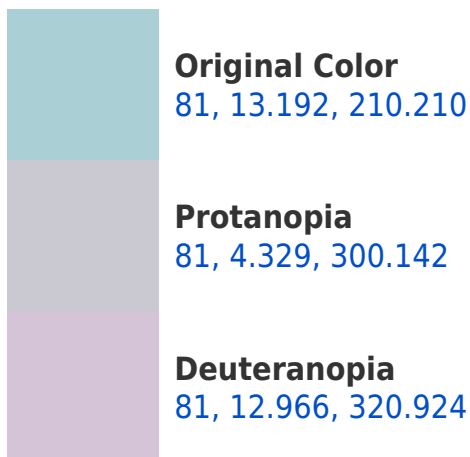


This preview shows how white text looks on a background with the CIELCh color 81, 13.192, 210.210.

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](#).

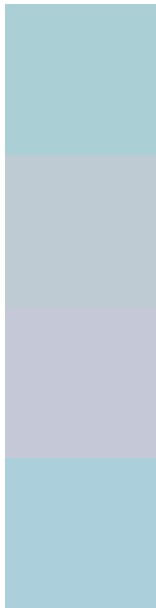
Dichromacy





Tritanopia
81, 14.314, 238.122

Trichromacy



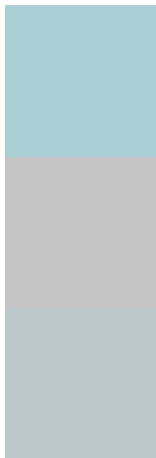
Original Color
81, 13.192, 210.210

Protanomaly
81, 5.854, 238.754

Deuteranomaly
81, 8.031, 283.319

Tritanomaly
81, 13.557, 226.862

Monochromacy



Original Color
81, 13.192, 210.210

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 5.099, 211.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 13.192, 210.210 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(170, 208, 213)` looks like.

```
.text, #text, p{  
    color:rgb(170, 208, 213)  
}
```

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(170, 208, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 208, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 13.192, 210.210 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(170, 208, 213) }
```

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

```
.border{ border-color:rgb(170, 208, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 208, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 208, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 208, 213);  
box-shadow:4px 4px 4px 4px rgb(170, 208,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 13.192, 210.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 208, 213) }
```

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

```
.background{ background-color: rgb(170,  
208, 213) }
```

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