

Converting Colors

CIELCh(81, 43.012, 211.365)

Have a look what the booklet for
CIELCh(81, 43.012, 211.365)
contains.

CIELCh(81, 42.936, 212.015)	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, 42.936, 212.015)

Conversions

Conversions Part 1

Format	Color
Hex	12DDF2
RGB	18, 221, 242
RGB Percent	7%, 87%, 95%
CMY	0.9300, 0.1319, 0.0495
CMYK	0.93, 0.09, 0.00, 0.05
HSL	186°, 90%, 51%
HSV	186°, 93%, 95%
XYZ	42.2850, 58.4711, 93.3588
YIQ	162.6970, -127.7290, -36.5050

Conversions

Conversions Part 2

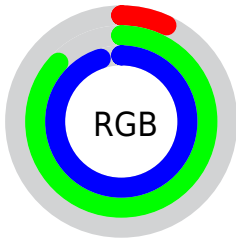
Format	Color
R_{YB}	18, 124, 242
Decimal	1236466
CIE _{Lab}	81.00, -36.41, -22.76
CIE _{LCh}	81, 42.936, 212.015
Yxy	58.4711, 0.2178, 0.3012
Android (android.graphics.Color)	4279426546 (0xFF12DDF2)
YUV	162.6970, 39.0964, -126.8993
Hunter-Lab	76.4664, -35.1077, -18.8614

Details

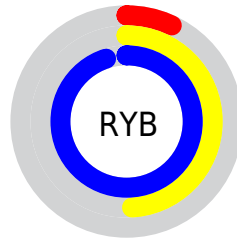
The CIELCh color **81, 42.936, 212.015** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **52, 94.567, 39.954**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **62, 34.900, 216.830** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.114, 213.218**, and if you desaturate by 10%, it is **82, 42.075, 210.622**.

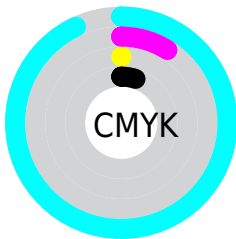
Distribution



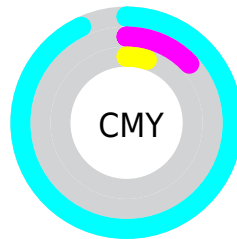
- Red (7%)
- Green (87%)
- Blue (95%)



- Red (7%)
- Yellow (49%)
- Blue (95%)



- Cyan (93%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





- Cyan (93%)
- Magenta (13%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 42.936, 212.015 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, 42.936, 212.015 by changing the saturation by 10% instead.


 81, 42.936,
212.015


 81, 42.936,
212.015


 100, 42.936,
212.015


 71, 42.936,
212.015

 61, 42.936,
212.015

 51, 42.936,
212.015

 41, 42.936,
212.015

 31, 42.936,
212.015

 21, 42.936,
212.015

 11, 42.936,

212.015

■ 1, 42.936, 212.015

■ 0, 42.936, 212.015

■ 81, 42.936,
212.015

■ 81, 42.936,
212.015

■ 80, 43.114,
213.218

■ 82, 42.075,
210.622

■ 83, 40.257,
209.544

■ 84, 37.411,
208.748

■ 85, 33.540,
208.198

■ 87, 28.708,

207.857

■ 89, 23.018,
207.692

■ 91, 16.591,
207.674

■ 93, 9.558, 207.788

■ 95, 2.044, 208.212

Harmonies

Complementary

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



81, 42.936, 212.015



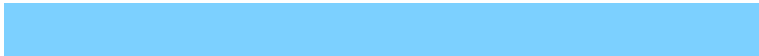
52, 94.567, 39.954

Rectangle

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



81, 42.936, 212.015



81, 42.936, 262.015



81, 42.936, 32.015



81, 42.936, 82.015

Sweetspot

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



81, 42.935, 212.014



94, 20.963, 207.667



84, 111.064, 137.162



49, 14.222, 207.690



0, 0.000, 0.000



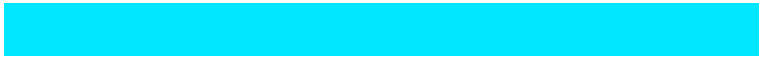
53, 0.007, 296.813

Same Dimension

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



81, 42.935, 212.014



84, 44.794, 213.270



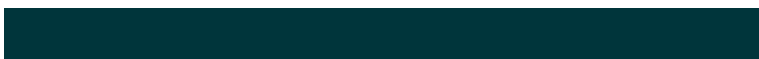
50, 76.505, 288.965



50, 4.373, 207.856



63, 35.412, 212.911



20, 15.917, 210.488

Inverse Universe

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



57, 102.360, 332.088



59, 107.235, 332.435



70, 77.338, 69.342



48, 8.215, 327.602



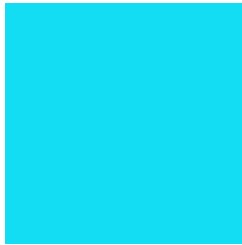
43, 84.770, 332.347



10, 38.057, 331.754

Previews

White Background



This preview shows how the CIE LCh color 81, 42.936, 212.015 looks on a white background.

Color Contrast Check

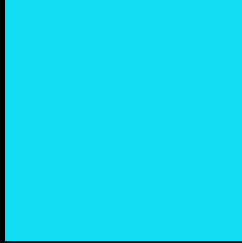
Large Text (above 18pt) WCAG AA × Fail

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, 42.936, 212.015 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, 42.936, 212.015

Background



This preview shows how black text looks on a background with the CIELCh color 81, 42.936, 212.015.

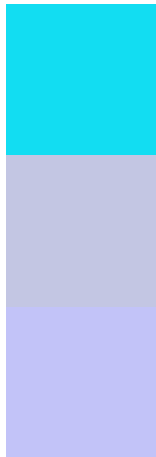


This preview shows how white text looks on a background with the CIELCh color 81, 42.936, 212.015.

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

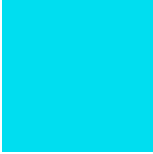
81, 42.873, 212.042

Protanopia

80, 15.457, 287.732

Deuteranopia

80, 28.249, 291.987

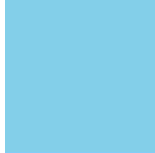


Tritanopia
81, 43.525, 209.532

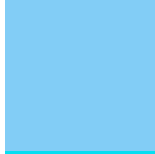
Trichromacy



Original Color
81, 42.873, 212.042



Protanomaly
79, 26.298, 230.169



Deuteranomaly
79, 30.128, 245.377

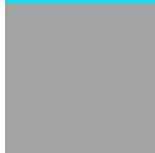


Tritanomaly
81, 43.363, 210.334

Monochromacy



Original Color
81, 42.873, 212.042



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 23.783, 208.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 42.936, 212.015 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(18, 221, 242)` looks like.

```
.text, #text, p{  
    color:rgb(18, 221, 242)  
}
```

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(18, 221, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 221, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 42.936, 212.015 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(18, 221, 242) }
```

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

```
.border{ border-color:rgb(18, 221, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 221, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 221, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 221, 242);  
box-shadow:4px 4px 4px 4px rgb(18, 221,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 42.936, 212.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 221, 242) }
```

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

```
.background{ background-color: rgb(18, 221,  
242) }
```

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