

Converting Colors

CIELCh(81, 45.443, 193.838)

Have a look what the booklet for
CIELCh(81, 45.443, 193.838)
contains.

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Color

CIELCh(81, 45.536, 193.652)

Conversions

Conversions Part 1

Format	Color
Hex	12E0DC
RGB	18, 224, 220
RGB Percent	7%, 88%, 86%
CMY	0.9292, 0.1225, 0.1381
CMYK	0.92, 0.00, 0.02, 0.12
HSL	179°, 85%, 47%
HSV	179°, 92%, 88%
XYZ	39.7314, 58.4711, 76.7449
YIQ	161.9500, -121.4920, -44.9160

Conversions

Conversions Part 2

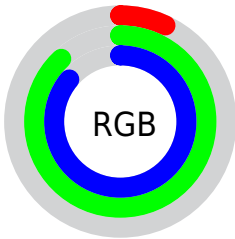
Format	Color
RYB	18, 122, 224
Decimal	1237212
CIELab	81.00, -44.25, -10.75
CIELCh	81, 45.536, 193.652
Yxy	58.4711, 0.2271, 0.3342
Android (android.graphics.Color)	4279427292 (0xFF12E0DC)
YUV	161.9500, 28.6186, -126.2442
Hunter-Lab	76.4664, -41.0687, -5.9795

Details

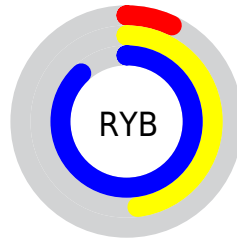
The CIELCh color **81, 45.536, 193.652** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 89.436, 37.296**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **62, 37.157, 193.701** is the 20% darker color. If you saturate the color by 10%, you get **81, 46.087, 193.412**, and if you desaturate by 10%, it is **81, 44.217, 193.960**.

Distribution



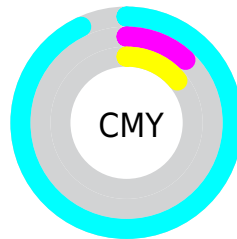
- Red (7%)
- Green (88%)
- Blue (86%)



- Red (7%)
- Yellow (48%)
- Blue (88%)



- Cyan (92%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (93%)
- Magenta (12%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 45.536, 193.652 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, 45.536, 193.652 by changing the saturation by 10% instead.


 81, 45.536,
193.652


 81, 45.536,
193.652


 100, 45.536,
193.652


 71, 45.536,
193.652

 61, 45.536,
193.652

 51, 45.536,
193.652

 41, 45.536,
193.652

 31, 45.536,
193.652

 21, 45.536,
193.652

 11, 45.536,

193.652

■ 1, 45.536, 193.652

■ 0, 45.536, 193.652

■ 81, 45.536,
193.652

■ 81, 45.536,
193.652

■ 81, 46.087,
193.412

■ 81, 44.217,
193.960

■ 82, 41.968,
194.294

■ 82, 38.725,
194.662

■ 83, 34.491,
195.069

■ 84, 29.324,

195.519

■ 85, 23.320,
196.013

■ 86, 16.602,
196.551

■ 87, 9.300, 197.142

■ 89, 1.542, 198.058

Harmonies

Complementary

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



81, 45.536, 193.652



47, 89.436, 37.296

Rectangle

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



81, 45.536, 193.652



81, 45.536, 243.652



81, 45.536, 13.652



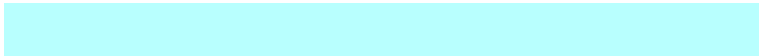
81, 45.536, 63.652

Sweetspot

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



81, 45.535, 193.651



95, 23.057, 196.208



78, 106.342, 136.116



50, 15.655, 195.981



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, 45.535, 193.651



91, 50.874, 193.390



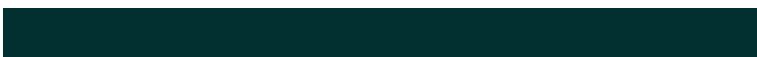
53, 57.092, 277.439



46, 4.462, 197.303



65, 38.500, 193.458



17, 15.775, 193.928

Inverse Universe

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



47, 89.436, 37.296



53, 103.810, 39.466



60, 74.363, 59.528



44, 4.727, 18.360



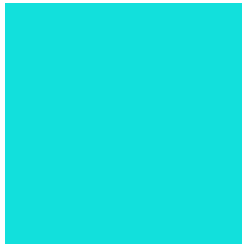
36, 78.261, 39.156



6, 25.493, 20.124

Previews

White Background



This preview shows how the CIE LCh color 81, 45.536, 193.652 looks on a white background.

Color Contrast Check

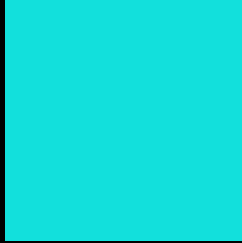
Large Text (above 18pt) WCAG AA × Fail

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, 45.536, 193.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

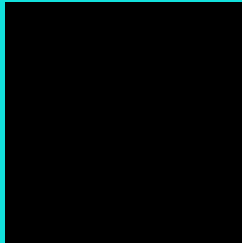
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

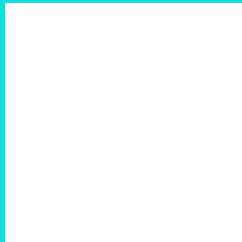
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 45.536, 193.652

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.536, 193.652.

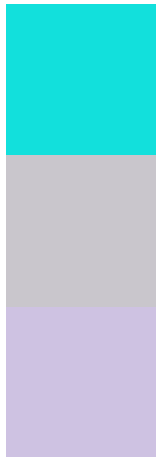


This preview shows how white text looks on a background with the CIELCh color 81, 45.536, 193.652.

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](#).

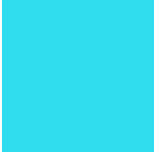
Dichromacy



Original Color
81, 45.573, 193.651

Protanopia
80, 3.396, 309.160

Deuteranopia
80, 17.638, 305.351



Tritanopia
81, 41.288, 210.376

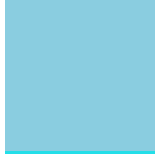
Trichromacy



Original Color
81, 45.573, 193.651



Protanomaly
79, 23.564, 201.677



Deuteranomaly
79, 22.980, 224.518

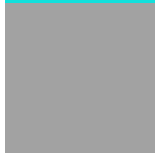


Tritanomaly
81, 42.629, 203.881

Monochromacy



Original Color
81, 45.573, 193.651



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 24.190, 196.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.536, 193.652 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, 224, 220)` looks like.

```
.text, #text, p{  
    color:rgb(18, 224, 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(18, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 224, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.536, 193.652 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, 224, 220) }
```

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

```
.border{ border-color:rgb(18, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(18, 224,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.536, 193.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 224, 220) }
```

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

```
.background{ background-color: rgb(18, 224,  
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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