

Converting Colors

CIELCh(84, 49.101, 183.142)

Have a look what the booklet for
CIELCh(84, 49.101, 183.142)
contains.

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Color

CIELCh(84, 49.192, 183.057)

Conversions

Conversions Part 1

Format	Color
Hex	2BEAD5
RGB	43, 234, 213
RGB Percent	17%, 92%, 84%
CMY	0.8325, 0.0829, 0.1653
CMYK	0.82, 0.00, 0.09, 0.08
HSL	173°, 82%, 54%
HSV	173°, 82%, 92%
XYZ	42.3565, 64.0658, 72.9896
YIQ	174.4970, -107.0950, -47.0230

Conversions

Conversions Part 2

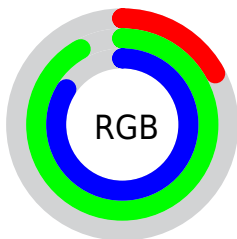
Format	Color
R_{YB}	43, 144, 234
Decimal	2878165
CIE _{Lab}	84.00, -49.12, -2.62
CIE _{LCh}	84, 49.192, 183.057
Yxy	64.0658, 0.2361, 0.3571
Android (android.graphics.Color)	4281068245 (0xFF2BEAD5)
YUV	174.4970, 18.9820, -115.3229
Hunter-Lab	80.0411, -45.6125, 1.9621

Details

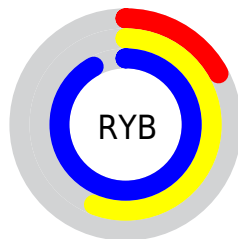
The CIELCh color **84, 49.192, 183.057** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 79.628, 27.774**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **65, 42.191, 181.382** is the 20% darker color. If you saturate the color by 10%, you get **84, 51.165, 181.869**, and if you desaturate by 10%, it is **84, 46.255, 184.140**.

Distribution



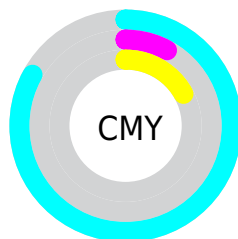
- Red (17%)
- Green (92%)
- Blue (84%)



- Red (17%)
- Yellow (56%)
- Blue (92%)



- Cyan (82%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)





- Cyan (83%)
- Magenta (8%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 49.192, 183.057 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 84, 49.192, 183.057 by changing the saturation by 10% instead.


 84, 49.192,
183.057

 84, 49.192,
183.057


 100, 49.192,
183.057

 74, 49.192,
183.057

 64, 49.192,
183.057

 54, 49.192,
183.057

 44, 49.192,
183.057

 34, 49.192,
183.057

 24, 49.192,
183.057

 14, 49.192,

183.057

■ 4, 49.192, 183.057

■ 0, 49.192, 183.057

■ 84, 49.192,
183.057

■ 84, 49.192,
183.057

■ 84, 51.165,
181.869

■ 84, 46.255,
184.140

■ 84, 52.237,
180.821

■ 85, 42.303,
185.139

■ 86, 37.357,
186.074

■ 87, 31.496,
186.961

■ 88, 24.836,

187.815

■ 89, 17.516,
188.649

■ 91, 9.678, 189.483

■ 92, 1.456, 190.625

■ 94, 7.027, 10.906

Harmonies

Complementary

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



84, 49.192, 183.057



51, 79.628, 27.774

Rectangle

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



84, 49.192, 183.057



84, 49.192, 233.057



84, 49.192, 3.057



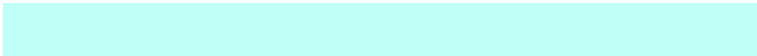
84, 49.192, 53.057

Sweetspot

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



84, 49.192, 183.056



96, 21.412, 188.369



82, 103.574, 135.637



51, 14.458, 188.074



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 49.192, 183.056



90, 55.554, 181.012



63, 46.220, 261.774



48, 4.716, 189.678



66, 43.036, 181.047



19, 18.099, 183.089

Inverse Universe

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



51, 79.628, 27.774



53, 98.315, 35.459



62, 71.368, 54.698



46, 4.947, 11.089



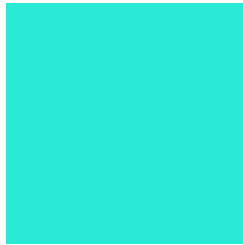
38, 76.165, 35.257



7, 28.123, 18.218

Previews

White Background



This preview shows how the CIELCh color 84, 49.192, 183.057 looks on a white background.

Color Contrast Check

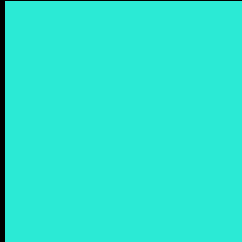
Large Text (above 18pt) WCAG AA × Fail

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 84, 49.192, 183.057 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 84, 49.192, 183.057

Background



This preview shows how black text looks on a background with the CIELCh color 84, 49.192, 183.057.

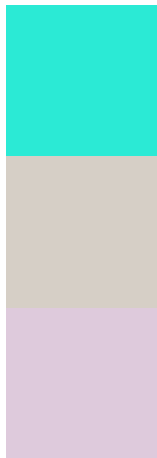


This preview shows how white text looks on a background with the CIELCh color 84, 49.192, 183.057.

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](#).

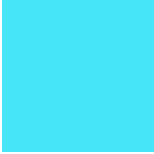
Dichromacy



Original Color
84, 49.192, 183.057

Protanopia
83, 5.383, 80.869

Deuteranopia
83, 11.972, 327.767

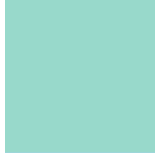


Tritanopia
84, 40.351, 210.711

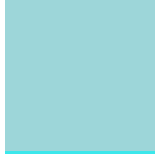
Trichromacy



Original Color
84, 49.192, 183.057



Protanomaly
82, 23.486, 179.256



Deuteranomaly
82, 18.948, 202.955

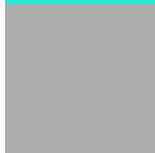


Tritanomaly
84, 42.637, 199.523

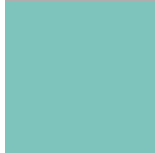
Monochromacy



Original Color
84, 49.192, 183.057



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 23.971, 187.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 49.192, 183.057 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(43, 234, 213)` looks like.

```
.text, #text, p{  
    color:rgb(43, 234, 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(43, 234, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 234, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 49.192, 183.057 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(43, 234, 213) }
```

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

```
.border{ border-color:rgb(43, 234, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 234, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 234, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 234, 213);  
box-shadow:4px 4px 4px 4px rgb(43, 234,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 49.192, 183.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 234, 213) }
```

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

```
.background{ background-color: rgb(43, 234,  
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](#).

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