

Converting Colors

CIELCh(83, 52.282, 174.326)

Have a look what the booklet for
CIELCh(83, 52.282, 174.326)
contains.

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Color

CIELCh(83, 52.537, 173.996)

Conversions

Conversions Part 1

Format	Color
Hex	32E8C3
RGB	50, 232, 195
RGB Percent	20%, 91%, 76%
CMY	0.8020, 0.0914, 0.2364
CMYK	0.78, 0.00, 0.16, 0.09
HSL	168°, 80%, 55%
HSV	168°, 78%, 91%
XYZ	39.9299, 62.1629, 61.3559
YIQ	173.3640, -96.5950, -50.0910

Conversions

Conversions Part 2

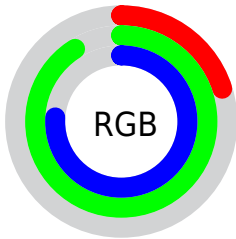
Format	Color
RYB	50, 151, 232
Decimal	3336387
CIELab	83.00, -52.25, 5.50
CIELCh	83, 52.537, 173.996
Yxy	62.1629, 0.2443, 0.3803
Android (android.graphics.Color)	4281526467 (0xFF32E8C3)
YUV	173.3640, 10.6665, -108.1902
Hunter-Lab	78.8435, -47.5757, 9.0511

Details

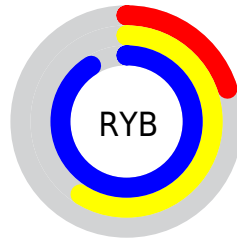
The CIELCh color **83, 52.537, 173.996** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **52, 73.013, 19.001**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.613, 194.716**, and **64, 46.494, 171.506** is the 20% darker color. If you saturate the color by 10%, you get **83, 55.669, 172.313**, and if you desaturate by 10%, it is **84, 48.451, 175.508**.

Distribution



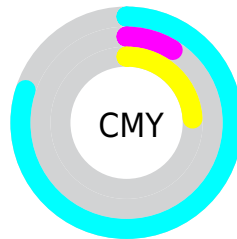
- Red (20%)
- Green (91%)
- Blue (76%)



- Red (20%)
- Yellow (59%)
- Blue (91%)



- Cyan (78%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (80%)
- Magenta (9%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 52.537, 173.996 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 83, 52.537, 173.996 by changing the saturation by 10% instead.

 83, 52.537,
173.996


 83, 52.537,
173.996


 100, 52.537,
173.996


 73, 52.537,
173.996

 63, 52.537,
173.996

 53, 52.537,
173.996

 43, 52.537,
173.996

 33, 52.537,
173.996

 23, 52.537,
173.996

 13, 52.537,

173.996

■ 3, 52.537, 173.996

■ 0, 52.537, 173.996

■ 83, 52.537,
173.996

■ 83, 52.537,
173.996

■ 83, 55.669,
172.313

■ 84, 48.451,
175.508

■ 82, 57.973,
170.467

■ 84, 43.398,
176.873

■ 82, 58.350,
170.136

■ 85, 37.439,
178.112

■ 86, 30.681,
179.250

■ 87, 23.260,

180.309

■ 89, 15.322,
181.308

■ 90, 7.010, 182.284

■ 92, 1.548, 2.725

■ 94, 8.847, 1.111

Harmonies

Complementary

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



83, 52.537, 173.996



52, 73.013, 19.001

Rectangle

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



83, 52.537, 173.996



83, 52.537, 223.996



83, 52.537, 353.996



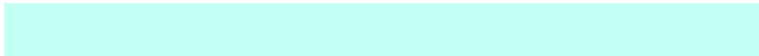
83, 52.537, 43.996

Sweetspot

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



83, 52.537, 173.995



96, 20.722, 180.823



82, 98.075, 134.068



51, 14.232, 180.458



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 52.537, 173.995



90, 61.486, 171.167



69, 39.540, 243.829



47, 4.804, 182.161



65, 47.790, 170.483



18, 19.274, 173.753

Inverse Universe

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



52, 73.013, 19.001



54, 89.996, 27.093



59, 70.426, 47.524



45, 4.985, 3.763



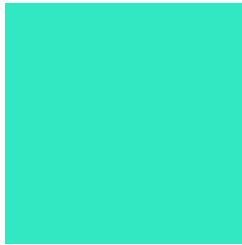
37, 70.828, 28.994



7, 26.664, 13.239

Previews

White Background



This preview shows how the CIE LCh color 83, 52.537, 173.996 looks on a white background.

Color Contrast Check

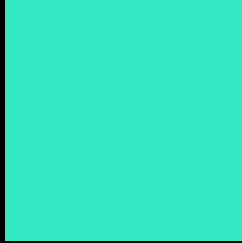
Large Text (above 18pt) WCAG AA × Fail

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 83, 52.537, 173.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

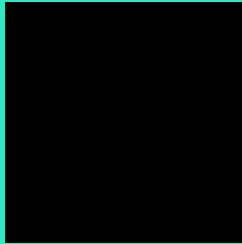
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

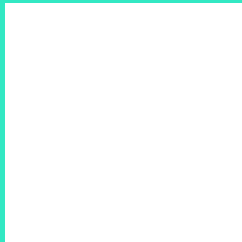
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 52.537, 173.996

Background



This preview shows how black text looks on a background with the CIELCh color 83, 52.537, 173.996.

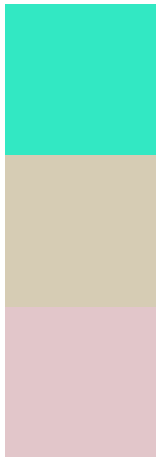


This preview shows how white text looks on a background with the CIELCh color 83, 52.537, 173.996.

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](#).

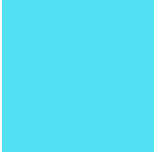
Dichromacy



Original Color
83, 52.631, 174.030

Protanopia
82, 13.213, 92.167

Deuteranopia
82, 10.634, 8.787

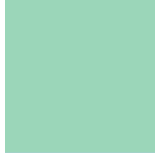


Tritanopia
83, 38.224, 211.639

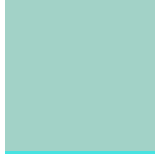
Trichromacy



Original Color
83, 52.631, 174.030



Protanomaly
81, 26.194, 161.573



Deuteranomaly
81, 17.858, 178.934

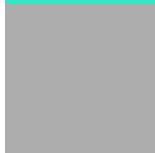


Tritanomaly
83, 41.483, 195.174

Monochromacy



Original Color
83, 52.631, 174.030



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 23.846, 180.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 52.537, 173.996 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(50, 232, 195)` looks like.

```
.text, #text, p{  
    color:rgb(50, 232, 195)  
}
```

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(50, 232, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 232, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 52.537, 173.996 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(50, 232, 195) }
```

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

```
.border{ border-color:rgb(50, 232, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 232, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 232, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 232, 195);  
box-shadow:4px 4px 4px 4px rgb(50, 232,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 52.537, 173.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 232, 195) }
```

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

```
.background{ background-color: rgb(50, 232,  
195) }
```

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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