

Converting Colors

CIELCh(81, 45.859, 173.503)

Have a look what the booklet for
CIELCh(81, 45.859, 173.503)
contains.

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Color

CIELCh(81, 45.719, 173.632)

Conversions

Conversions Part 1

Format	Color
Hex	53DFBE
RGB	83, 223, 190
RGB Percent	33%, 87%, 75%
CMY	0.6735, 0.1246, 0.2541
CMYK	0.63, 0.00, 0.15, 0.12
HSL	166°, 69%, 60%
HSV	166°, 63%, 88%
XYZ	39.3541, 58.4711, 58.0478
YIQ	177.3780, -72.8470, -39.9430

Conversions

Conversions Part 2

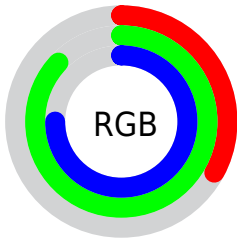
Format	Color
RYB	83, 162, 223
Decimal	5496766
CIELab	81.00, -45.44, 5.07
CIELCh	81, 45.719, 173.632
Yxy	58.4711, 0.2525, 0.3751
Android (android.graphics.Color)	4283686846 (0xFF53DFBE)
YUV	177.3780, 6.2226, -82.7695
Hunter-Lab	76.4664, -41.9497, 8.5178

Details

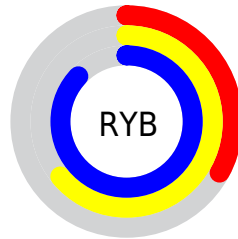
The CIELCh color **81, 45.719, 173.632** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 58.081, 10.786**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.944, 189.379**, and **61, 44.056, 173.101** is the 20% darker color. If you saturate the color by 10%, you get **80, 50.503, 172.114**, and if you desaturate by 10%, it is **82, 40.043, 174.997**.

Distribution



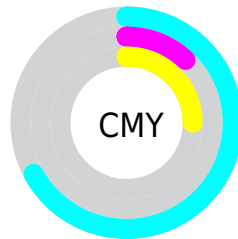
- Red (33%)
- Green (87%)
- Blue (75%)



- Red (33%)
- Yellow (64%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)





- Cyan (67%)
- Magenta (12%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 45.719, 173.632 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, 45.719, 173.632 by changing the saturation by 10% instead.


 81, 45.719,
173.632


 81, 45.719,
173.632


 100, 45.719,
173.632


 71, 45.719,
173.632

 61, 45.719,
173.632

 51, 45.719,
173.632

 41, 45.719,
173.632

 31, 45.719,
173.632

 21, 45.719,
173.632

 11, 45.719,

173.632

■ 1, 45.719, 173.632

■ 0, 45.719, 173.632

■ 81, 45.719,
173.632

■ 81, 45.719,
173.632

■ 80, 50.503,
172.114

■ 82, 40.043,
174.997

■ 80, 54.358,
170.424

■ 83, 33.563,
176.238

■ 80, 57.327,
168.548

■ 84, 26.406,
177.377

■ 80, 59.085,
167.099


■ 85, 18.714,
178.435


■ 87, 10.628,

179.438

 88, 2.279, 180.550

 90, 6.218, 1.104

 92, 12.415,
358.072

 92, 13.613,
347.381

Harmonies

Complementary

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



81, 45.719, 173.632



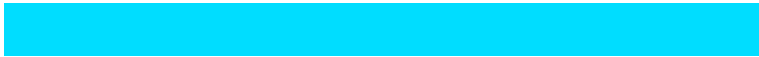
55, 58.081, 10.786

Rectangle

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



81, 45.719, 173.632



81, 45.719, 223.632



81, 45.719, 353.632



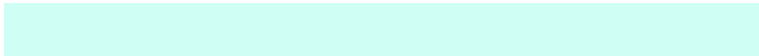
81, 45.719, 43.632

Sweetspot

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



81, 45.719, 173.631



97, 17.553, 178.797



80, 79.876, 133.867



51, 12.023, 178.504



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, 45.719, 173.631



90, 57.167, 171.650



72, 33.131, 233.187



46, 4.790, 179.762



64, 49.226, 167.445



17, 19.255, 171.170

Inverse Universe

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



55, 58.081, 10.786



58, 75.568, 15.258



61, 53.210, 44.648



44, 4.954, 1.391



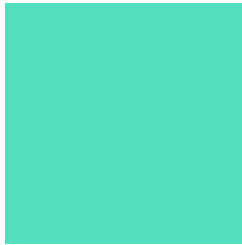
37, 68.657, 26.421



6, 25.288, 10.897

Previews

White Background



This preview shows how the CIE LCh color 81, 45.719, 173.632 looks on a white background.

Color Contrast Check

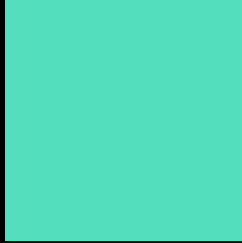
Large Text (above 18pt) WCAG AA × Fail

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, 45.719, 173.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

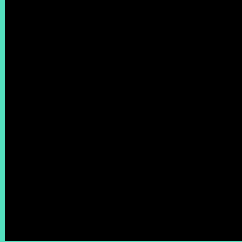
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

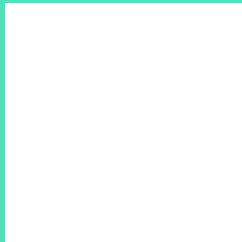
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 45.719, 173.632

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.719, 173.632.

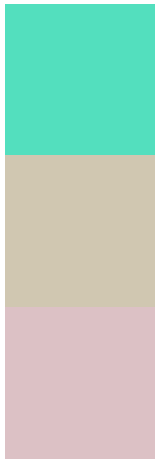


This preview shows how white text looks on a background with the CIELCh color 81, 45.719, 173.632.

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, 45.719, 173.632

Protanopia
80, 12.147, 92.576

Deuteranopia
80, 10.315, 8.360



Tritanopia
81, 33.467, 214.112

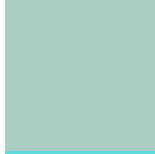
Trichromacy



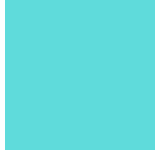
Original Color
81, 45.719, 173.632



Protanomaly
80, 21.529, 157.888



Deuteranomaly
79, 13.111, 176.930

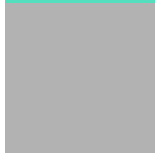


Tritanomaly
81, 35.684, 196.971

Monochromacy



Original Color
81, 45.719, 173.632



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 18.905, 177.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.719, 173.632 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(83, 223, 190)` looks like.

```
.text, #text, p{  
    color:rgb(83, 223, 190)  
}
```

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(83, 223, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 223, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.719, 173.632 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(83, 223, 190) }
```

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

```
.border{ border-color:rgb(83, 223, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 223, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 223, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 223, 190);  
box-shadow:4px 4px 4px 4px rgb(83, 223,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.719, 173.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 223, 190) }
```

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

```
.background{ background-color: rgb(83, 223,  
190) }
```

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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