

Converting Colors

CIELCh(73, 53.992, 163.819)

Have a look what the booklet for
CIELCh(73, 53.992, 163.819)
contains.

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Color

CIELCh(73, 53.823, 163.993)

Conversions

Conversions Part 1

Format	Color
Hex	2DCA96
RGB	45, 202, 150
RGB Percent	18%, 79%, 59%
CMY	0.8252, 0.2065, 0.4105
CMYK	0.78, 0.00, 0.26, 0.21
HSL	160°, 64%, 48%
HSV	160°, 78%, 79%
XYZ	27.7965, 45.1644, 36.2426
YIQ	149.1290, -76.8800, -49.4560

Conversions

Conversions Part 2

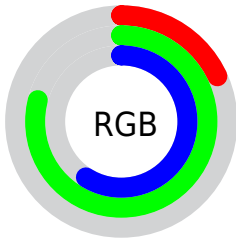
Format	Color
RYB	45, 139, 202
Decimal	3000982
CIELab	73.00, -51.74, 14.84
CIELCh	73, 53.823, 163.993
Yxy	45.1644, 0.2545, 0.4136
Android (android.graphics.Color)	4281191062 (0xFF2DCA96)
YUV	149.1290, 0.4294, -91.3211
Hunter-Lab	67.2044, -43.7783, 15.0687

Details

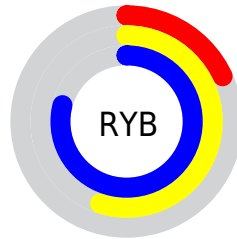
The CIELCh color **73, 53.823, 163.993** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **46, 63.963, 8.286**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 51.289, 165.293**, and **54, 48.082, 160.249** is the 20% darker color. If you saturate the color by 10%, you get **73, 57.829, 162.013**, and if you desaturate by 10%, it is **74, 48.993, 165.768**.

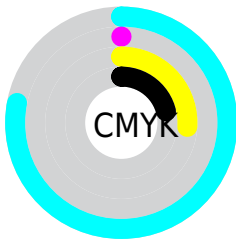
Distribution



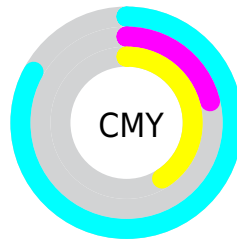
- Red (18%)
- Green (79%)
- Blue (59%)



- Red (18%)
- Yellow (55%)
- Blue (79%)



- Cyan (78%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)





- Cyan (83%)
- Magenta (21%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 53.823, 163.993 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 73, 53.823, 163.993 by changing the saturation by 10% instead.


 73, 53.823,
163.993


 73, 53.823,
163.993


 100, 53.823,
163.993


 63, 53.823,
163.993


 93, 53.823,
163.993

 53, 53.823,
163.993

 43, 53.823,
163.993

 33, 53.823,
163.993

 23, 53.823,
163.993

 13, 53.823,
163.993

 3, 53.823, 163.993

■ 0, 53.823, 163.993

■ 73, 53.823,
163.993

■ 73, 53.823,
163.993

■ 73, 57.829,
162.013

■ 74, 48.993,
165.768

■ 72, 61.110,
159.854

■ 74, 43.351,
167.353

■ 72, 61.746,
159.422

■ 75, 36.969,
168.771

■ 76, 29.961,
170.046

■ 77, 22.462,
171.203

■ 79, 14.606,
172.267

■ 80, 6.523, 173.277

■ 82, 1.677, 353.826

■ 84, 9.902, 354.904

Harmonies

Complementary

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



73, 53.823, 163.993



46, 63.963, 8.286

Rectangle

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



73, 53.823, 163.993



73, 53.823, 213.993



73, 53.823, 343.993



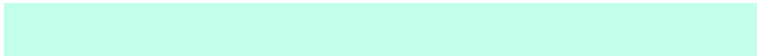
73, 53.823, 33.993

Sweetspot

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



73, 53.823, 163.992



96, 22.427, 171.708



73, 85.287, 131.433



50, 15.448, 171.312



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 53.823, 163.992



89, 71.744, 160.440



66, 34.481, 222.408



42, 4.672, 173.131



60, 52.931, 159.769



12, 18.095, 165.226

Inverse Universe

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



46, 63.963, 8.286



54, 84.802, 16.274



49, 66.620, 40.266



40, 4.787, 354.754



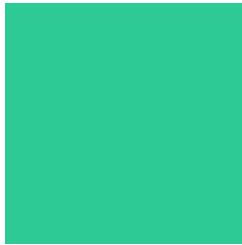
35, 62.560, 17.874



4, 18.686, 3.380

Previews

White Background



This preview shows how the CIELCh color 73, 53.823, 163.993 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 73, 53.823, 163.993 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 73, 53.823, 163.993

Background



This preview shows how black text looks on a background with the CIELCh color 73, 53.823, 163.993.

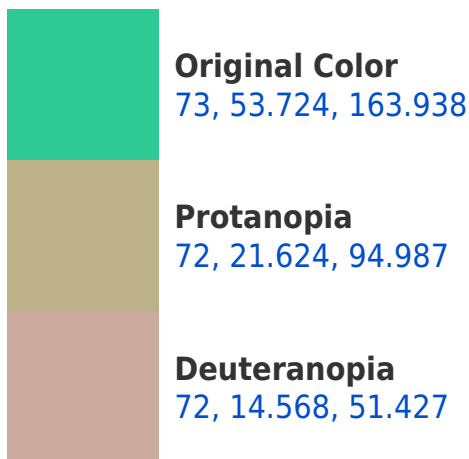


This preview shows how white text looks on a background with the CIELCh color 73, 53.823, 163.993.

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





Tritanopia
73, 32.942, 212.629

Trichromacy



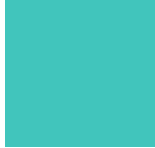
Original Color
73, 53.724, 163.938



Protanomaly
71, 30.603, 145.999



Deuteranomaly
71, 20.368, 151.637



Tritanomaly
73, 37.738, 189.066

Monochromacy



Original Color
73, 53.724, 163.938



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 23.272, 170.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 53.823, 163.993 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(45, 202, 150)` looks like.

```
.text, #text, p{  
    color:rgb(45, 202, 150)  
}
```

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(45, 202, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 202, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 53.823, 163.993 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(45, 202, 150) }
```

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

```
.border{ border-color:rgb(45, 202, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 202, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(45, 202,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 53.823, 163.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 202, 150) }
```

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

```
.background{ background-color: rgb(45, 202,  
150) }
```

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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