

Converting Colors

CIELCh(73, 53.361, 164.046)

Have a look what the booklet for
CIELCh(73, 53.361, 164.046)
contains.

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Color

CIELCh(73, 53.159, 164.276)

Conversions

Conversions Part 1

Format	Color
Hex	2FCA97
RGB	47, 202, 151
RGB Percent	18%, 79%, 59%
CMY	0.8147, 0.2072, 0.4073
CMYK	0.77, 0.00, 0.25, 0.21
HSL	160°, 62%, 49%
HSV	160°, 77%, 79%
XYZ	27.9390, 45.1644, 36.5854
YIQ	149.8410, -76.0090, -48.7210

Conversions

Conversions Part 2

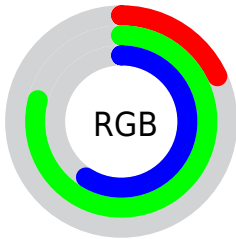
Format	Color
RYB	47, 140, 202
Decimal	3132055
CIELab	73.00, -51.17, 14.41
CIELCh	73, 53.159, 164.276
Yxy	45.1644, 0.2547, 0.4118
Android (android.graphics.Color)	4281322135 (0xFF2FCA97)
YUV	149.8410, 0.5714, -90.1916
Hunter-Lab	67.2044, -43.3997, 14.7662

Details

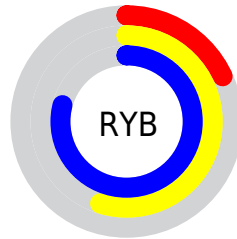
The CIELCh color **73, 53.159, 164.276** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **46, 63.171, 7.819**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.770, 165.647**, and **54, 47.683, 160.759** is the 20% darker color. If you saturate the color by 10%, you get **73, 57.267, 162.324**, and if you desaturate by 10%, it is **74, 48.225, 166.024**.

Distribution



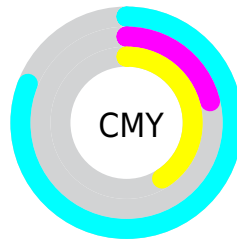
- Red (18%)
- Green (79%)
- Blue (59%)



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



- Cyan (77%)
- Magenta (0%)
- Yellow (25%)
- Black (21%)





- Cyan (81%)
- Magenta (21%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 53.159, 164.276 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, 53.159, 164.276 by changing the saturation by 10% instead.


 73, 53.159,
164.276


 73, 53.159,
164.276


 100, 53.159,
164.276


 63, 53.159,
164.276


 93, 53.159,
164.276

 53, 53.159,
164.276

 43, 53.159,
164.276

 33, 53.159,
164.276

 23, 53.159,
164.276

 13, 53.159,
164.276

 3, 53.159, 164.276

■ 0, 53.159, 164.276

■ 73, 53.159,
164.276

■ 73, 53.159,
164.276

■ 73, 57.267,
162.324

■ 74, 48.225,
166.024

■ 72, 60.615,
160.179

■ 74, 42.486,
167.584

■ 72, 61.666,
159.457

■ 75, 36.022,
168.981

■ 76, 28.949,
170.238

■ 77, 21.403,
171.381

■ 79, 13.519,
172.434

■ 80, 5.422, 173.447

■ 82, 2.778, 354.084

■ 84, 10.992,
355.049

Harmonies

Complementary

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



73, 53.159, 164.276



46, 63.171, 7.819

Rectangle

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



73, 53.159, 164.276



73, 53.159, 214.276



73, 53.159, 344.276



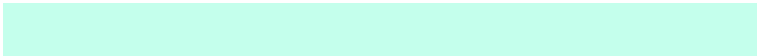
73, 53.159, 34.276

Sweetspot

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



73, 53.159, 164.275



96, 22.420, 171.739



73, 84.225, 131.425



50, 15.443, 171.343



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, 53.159, 164.275



89, 70.944, 160.920



67, 34.223, 222.116



42, 4.670, 173.162



60, 52.901, 159.802



12, 18.086, 165.258

Inverse Universe

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



46, 63.171, 7.819



55, 84.037, 15.237



49, 65.247, 40.077



40, 4.786, 354.785



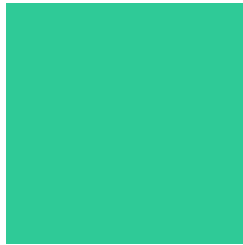
35, 62.571, 17.916



4, 18.684, 3.404

Previews

White Background



This preview shows how the CIELCh color 73, 53.159, 164.276 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, 53.159, 164.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

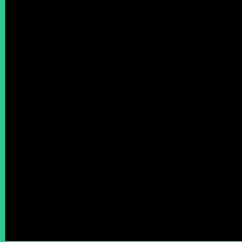
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

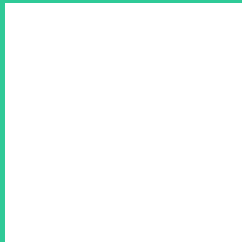
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 53.159, 164.276

Background



This preview shows how black text looks on a background with the CIELCh color 73, 53.159, 164.276.

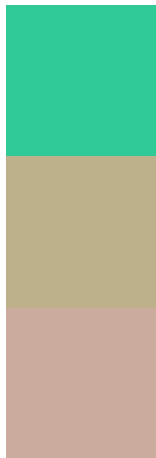


This preview shows how white text looks on a background with the CIELCh color 73, 53.159, 164.276.

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

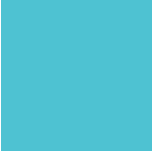
73, 53.159, 164.276

Protanopia

72, 21.100, 94.734

Deuteranopia

72, 14.265, 49.668



Tritanopia
73, 32.780, 212.717

Trichromacy



Original Color
73, 53.159, 164.276



Protanomaly
71, 29.940, 146.120



Deuteranomaly
71, 19.705, 151.968



Tritanomaly
73, 37.245, 189.855

Monochromacy



Original Color
73, 53.159, 164.276



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 22.972, 170.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 53.159, 164.276 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(47, 202, 151)` looks like.

```
.text, #text, p{  
    color:rgb(47, 202, 151)  
}
```

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(47, 202, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 202, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 53.159, 164.276 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(47, 202, 151) }
```

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

```
.border{ border-color:rgb(47, 202, 151) }
```

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

Here you see how a box with a 4 pixel rgb(47, 202, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 202, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 202, 151);  
box-shadow:4px 4px 4px 4px rgb(47, 202,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 53.159, 164.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 202, 151) }
```

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

```
.background{ background-color: rgb(47, 202,  
151) }
```

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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