

Converting Colors

CIELCh(73, 44.836, 172.980)

Have a look what the booklet for
CIELCh(73, 44.836, 172.980)
contains.

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Color

CIELCh(73, 44.745, 173.163)

Conversions

Conversions Part 1

Format	Color
Hex	3DC8A8
RGB	61, 200, 168
RGB Percent	24%, 78%, 66%
CMY	0.7604, 0.2154, 0.3409
CMYK	0.69, 0.00, 0.16, 0.22
HSL	166°, 56%, 51%
HSV	166°, 69%, 78%
XYZ	29.6737, 45.1644, 44.2308
YIQ	154.7910, -72.5720, -39.4200

Conversions

Conversions Part 2

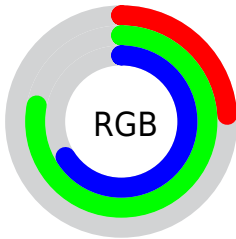
Format	Color
RYB	61, 140, 200
Decimal	4049064
CIELab	73.00, -44.43, 5.33
CIELCh	73, 44.745, 173.163
Yxy	45.1644, 0.2492, 0.3793
Android (android.graphics.Color)	4282239144 (0xFF3DC8A8)
YUV	154.7910, 6.5120, -82.2547
Hunter-Lab	67.2044, -38.7921, 8.0212

Details

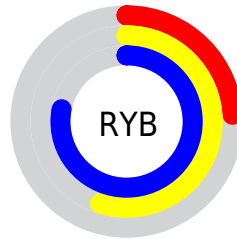
The CIELCh color **73, 44.745, 173.163** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **48, 58.379, 13.250**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.520, 174.266**, and **54, 40.628, 171.231** is the 20% darker color. If you saturate the color by 10%, you get **73, 48.542, 171.566**, and if you desaturate by 10%, it is **74, 40.108, 174.597**.

Distribution



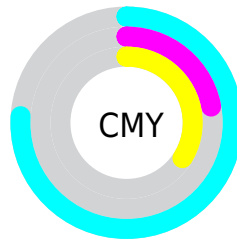
- Red (24%)
- Green (78%)
- Blue (66%)



- Red (24%)
- Yellow (55%)
- Blue (78%)



- Cyan (69%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (76%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 44.745, 173.163 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, 44.745, 173.163 by changing the saturation by 10% instead.


 73, 44.745,
173.163


 73, 44.745,
173.163


 100, 44.745,
173.163


 63, 44.745,
173.163


 93, 44.745,
173.163

 53, 44.745,
173.163

 43, 44.745,
173.163

 33, 44.745,
173.163

 23, 44.745,
173.163

 13, 44.745,
173.163

 3, 44.745, 173.163

■ 0, 44.745, 173.163

■ 73, 44.745,
173.163

■ 73, 44.745,
173.163

■ 73, 48.542,
171.566

■ 74, 40.108,
174.597

■ 72, 51.508,
169.792

■ 74, 34.680,
175.895

■ 72, 53.805,
167.872

■ 75, 28.557,
177.079

■ 72, 53.923,
167.771

■ 76, 21.860,
178.173

■ 78, 14.716,
179.197

■ 79, 7.252, 180.183

■ 81, 0.419, 359.820

■ 82, 8.201, 1.812

■ 84, 16.014, 2.663

Harmonies

Complementary

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



73, 44.745, 173.163



48, 58.379, 13.250

Rectangle

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



73, 44.745, 173.163



73, 44.745, 223.163



73, 44.745, 353.163



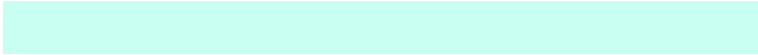
73, 44.745, 43.163

Sweetspot

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



73, 44.745, 173.162



96, 19.275, 179.013



72, 79.879, 133.985



51, 12.981, 178.729



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, 44.745, 173.162



90, 60.075, 170.751



63, 32.567, 237.707



41, 4.325, 180.192



60, 46.156, 168.089



11, 15.658, 173.143

Inverse Universe

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



48, 58.379, 13.250



56, 81.707, 19.250



53, 54.617, 46.163



39, 4.474, 1.788



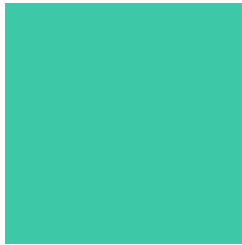
34, 64.991, 26.515



4, 16.271, 7.648

Previews

White Background



This preview shows how the CIELCh color 73, 44.745, 173.163 looks on a white background.

Color Contrast Check

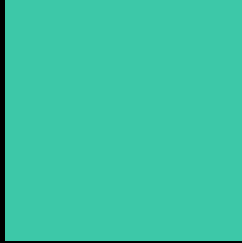
Large Text (above 18pt) WCAG AA × Fail

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 73, 44.745, 173.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

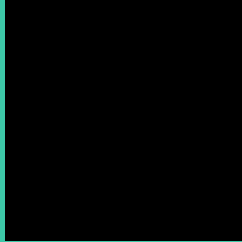
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

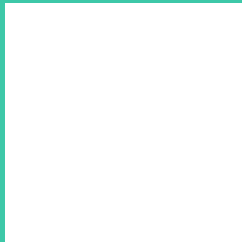
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 44.745, 173.163

Background



This preview shows how black text looks on a background with the CIELCh color 73, 44.745, 173.163.

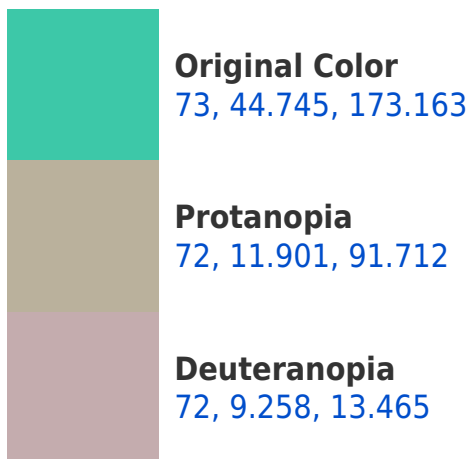


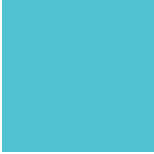
This preview shows how white text looks on a background with the CIELCh color 73, 44.745, 173.163.

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, 32.283, 212.995

Trichromacy



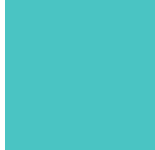
Original Color
73, 44.745, 173.163



Protanomaly
71, 21.347, 158.149



Deuteranomaly
71, 13.922, 175.181

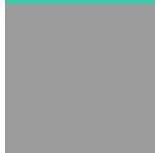


Tritanomaly
73, 34.807, 195.919

Monochromacy



Original Color
73, 44.745, 173.163



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 18.992, 179.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 44.745, 173.163 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(61, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(61, 200, 168)  
}
```

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(61, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 200, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 44.745, 173.163 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(61, 200, 168) }
```

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

```
.border{ border-color:rgb(61, 200, 168) }
```

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

Here you see how a box with a 4 pixel rgb(61, 200, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 200, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 200, 168);  
box-shadow:4px 4px 4px 4px rgb(61, 200,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 44.745, 173.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 200, 168) }
```

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

```
.background{ background-color: rgb(61, 200,  
168) }
```

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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