

Converting Colors

CIELCh(73, 45.895, 173.214)

Have a look what the booklet for
CIELCh(73, 45.895, 173.214)
contains.

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Color

CIELCh(73, 46.141, 173.089)

Conversions

Conversions Part 1

Format	Color
Hex	35C9A8
RGB	53, 201, 168
RGB Percent	21%, 79%, 66%
CMY	0.7905, 0.2133, 0.3427
CMYK	0.73, 0.00, 0.16, 0.21
HSL	167°, 58%, 50%
HSV	167°, 73%, 79%
XYZ	29.3133, 45.1644, 44.0293
YIQ	152.9860, -77.6150, -41.6390

Conversions

Conversions Part 2

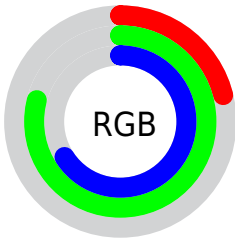
Format	Color
RYB	53, 136, 201
Decimal	3525032
CIELab	73.00, -45.81, 5.55
CIElCh	73, 46.141, 173.089
Yxy	45.1644, 0.2474, 0.3811
Android (android.graphics.Color)	4281715112 (0xFF35C9A8)
YUV	152.9860, 7.4019, -87.6877
Hunter-Lab	67.2044, -39.7494, 8.1990

Details

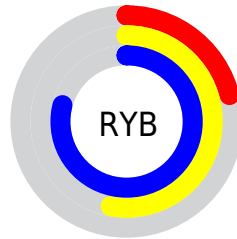
The CIELCh color **73, 46.141, 173.089** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **46, 61.387, 15.162**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.546, 174.733**, and **54, 41.120, 170.673** is the 20% darker color. If you saturate the color by 10%, you get **73, 49.561, 171.444**, and if you desaturate by 10%, it is **74, 41.872, 174.566**.

Distribution



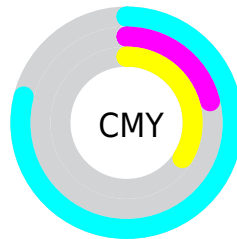
- Red (21%)
- Green (79%)
- Blue (66%)



- Red (21%)
- Yellow (53%)
- Blue (79%)



- Cyan (73%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)





- Cyan (79%)
- Magenta (21%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 46.141, 173.089 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, 46.141, 173.089 by changing the saturation by 10% instead.

 73, 46.141,
173.089


 73, 46.141,
173.089


 100, 46.141,
173.089


 63, 46.141,
173.089


 93, 46.141,
173.089

 53, 46.141,
173.089

 43, 46.141,
173.089

 33, 46.141,
173.089

 23, 46.141,
173.089

 13, 46.141,
173.089

 3, 46.141, 173.089

■ 0, 46.141, 173.089

■ 73, 46.141,
173.089

■ 73, 46.141,
173.089

■ 73, 49.561,
171.444

■ 74, 41.872,
174.566

■ 72, 52.172,
169.620

■ 74, 36.783,
175.901

■ 72, 53.601,
168.356

■ 75, 30.952,
177.115

■ 76, 24.491,
178.233

■ 77, 17.527,
179.275

■ 79, 10.189,
180.264

■ 80, 2.596, 181.325

■ 82, 5.149, 1.905

■ 84, 12.959, 2.798

Harmonies

Complementary

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



73, 46.141, 173.089



46, 61.387, 15.162

Rectangle

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



73, 46.141, 173.089



73, 46.141, 223.089



73, 46.141, 353.089



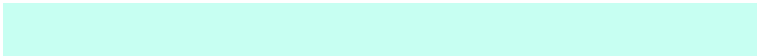
73, 46.141, 43.089

Sweetspot

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



73, 46.141, 173.088



96, 20.085, 179.382



72, 83.402, 133.850



51, 13.425, 179.103



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, 46.141, 173.088



90, 61.326, 170.395



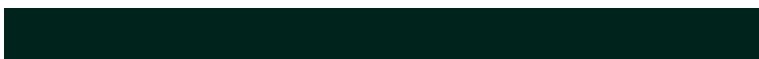
62, 33.700, 238.939



41, 4.312, 180.657



60, 45.794, 168.674



11, 15.565, 173.658

Inverse Universe

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



46, 61.387, 15.162



55, 85.281, 22.260



52, 58.471, 46.263



39, 4.463, 2.248



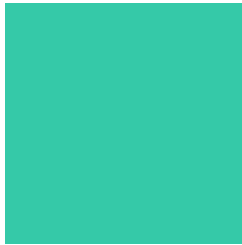
34, 65.237, 27.015



3, 16.252, 7.956

Previews

White Background



This preview shows how the CIELCh color 73, 46.141, 173.089 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, 46.141, 173.089 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

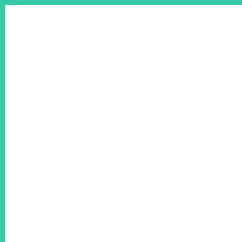
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 46.141, 173.089

Background



This preview shows how black text looks on a background with the CIELCh color 73, 46.141, 173.089.

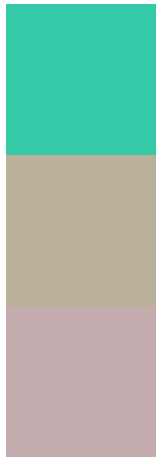


This preview shows how white text looks on a background with the CIELCh color 73, 46.141, 173.089.

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, 46.262, 173.143

Protanopia
72, 12.420, 92.372

Deuteranopia
72, 9.258, 13.465



Tritanopia
73, 33.282, 211.442

Trichromacy



Original Color
73, 46.262, 173.143



Protanomaly
72, 22.774, 159.226



Deuteranomaly
71, 14.872, 176.631



Tritanomaly
73, 36.112, 194.992

Monochromacy



Original Color
73, 46.262, 173.143



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 20.147, 178.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 46.141, 173.089 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(53, 201, 168)` looks like.

```
.text, #text, p{  
    color:rgb(53, 201, 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(53, 201, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 201, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 46.141, 173.089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

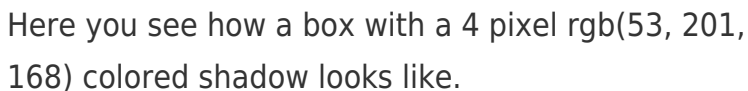
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 201, 168) }
```

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

```
.border{ border-color:rgb(53, 201, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(53, 201, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 201, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 201, 168);  
box-shadow:4px 4px 4px 4px rgb(53, 201,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 46.141, 173.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 201, 168) }
```

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

```
.background{ background-color: rgb(53, 201,  
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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