

Converting Colors

CIELCh(72, 41.643, 184.194)

Have a look what the booklet for
CIELCh(72, 41.643, 184.194)
contains.

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Color

CIELCh(72, 41.694, 184.126)

Conversions

Conversions Part 1

Format	Color
Hex	2DC5B5
RGB	45, 197, 181
RGB Percent	18%, 77%, 71%
CMY	0.8219, 0.2288, 0.2915
CMYK	0.77, 0.00, 0.08, 0.23
HSL	174°, 62%, 47%
HSV	174°, 77%, 77%
XYZ	29.2898, 43.6590, 50.4131
YIQ	149.7280, -85.4560, -37.2000

Conversions

Conversions Part 2

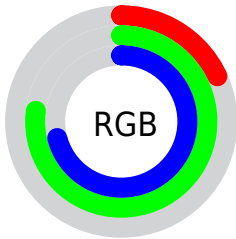
Format	Color
RYB	45, 125, 197
Decimal	2999733
CIELab	72.00, -41.59, -3.00
CIElCh	72, 41.694, 184.126
Yxy	43.6590, 0.2374, 0.3539
Android (android.graphics.Color)	4281189813 (0xFF2DC5B5)
YUV	149.7280, 15.4171, -91.8465
Hunter-Lab	66.0750, -36.5056, 1.0161

Details

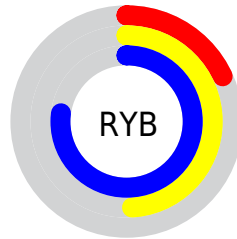
The CIELCh color **72, 41.694, 184.126** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **44, 65.647, 25.649**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.536, 184.499**, and **53, 35.463, 182.716** is the 20% darker color. If you saturate the color by 10%, you get **72, 43.846, 183.040**, and if you desaturate by 10%, it is **72, 38.678, 185.123**.

Distribution



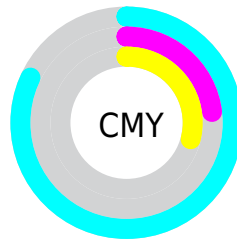
- Red (18%)
- Green (77%)
- Blue (71%)



- Red (18%)
- Yellow (49%)
- Blue (77%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)





- Cyan (82%)
- Magenta (23%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 41.694, 184.126 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 72, 41.694, 184.126 by changing the saturation by 10% instead.


 72, 41.694,
184.126


 72, 41.694,
184.126


 100, 41.694,
184.126


 62, 41.694,
184.126


 92, 41.694,
184.126

 52, 41.694,
184.126

 42, 41.694,
184.126

 32, 41.694,
184.126

 22, 41.694,
184.126

 12, 41.694,
184.126

 2, 41.694, 184.126

■ 0, 41.694, 184.126

■ 72, 41.694,
184.126

■ 72, 41.694,
184.126

■ 72, 43.846,
183.040

■ 72, 38.678,
185.123

■ 72, 45.226,
181.857

■ 73, 34.792,
186.053

■ 71, 45.584,
181.487

■ 74, 30.080,
186.933

■ 75, 24.630,
187.777

■ 76, 18.552,
188.599

■ 77, 11.964,
189.410

■ 78, 4.987, 190.254

■ 80, 2.269, 10.687

■ 82, 9.710, 11.626

Harmonies

Complementary

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



72, 41.694, 184.126



44, 65.647, 25.649

Rectangle

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



72, 41.694, 184.126



72, 41.694, 234.126



72, 41.694, 4.126



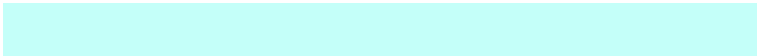
72, 41.694, 54.126

Sweetspot

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



72, 41.694, 184.125



96, 19.776, 188.887



70, 87.148, 135.895



51, 13.548, 188.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 41.694, 184.125



91, 54.500, 182.279



55, 38.429, 259.280



41, 4.113, 190.034



60, 39.632, 181.668



12, 13.977, 184.661

Inverse Universe

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



44, 65.647, 25.649



54, 94.298, 33.007



54, 57.933, 55.272



39, 4.313, 11.399



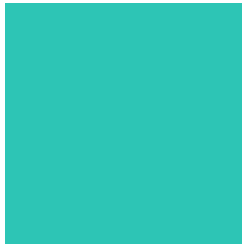
34, 70.411, 35.101



3, 15.978, 13.939

Previews

White Background



This preview shows how the CIELCh color 72, 41.694, 184.126 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 72, 41.694, 184.126 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

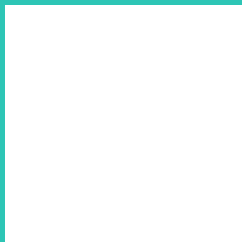
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 41.694, 184.126

Background



This preview shows how black text looks on a background with the CIELCh color 72, 41.694, 184.126.

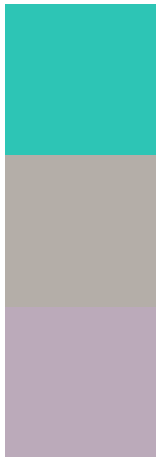


This preview shows how white text looks on a background with the CIELCh color 72, 41.694, 184.126.

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](#).

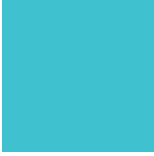
Dichromacy



Original Color
72, 41.799, 184.149

Protanopia
71, 3.970, 74.536

Deuteranopia
71, 10.811, 326.542



Tritanopia
72, 34.669, 210.780

Trichromacy



Original Color
72, 41.799, 184.149



Protanomaly
70, 18.719, 182.579



Deuteranomaly
70, 15.259, 206.537



Tritanomaly
72, 36.367, 200.208

Monochromacy



Original Color
72, 41.799, 184.149



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 19.561, 187.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 41.694, 184.126 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, 197, 181)` looks like.

```
.text, #text, p{  
    color:rgb(45, 197, 181)  
}
```

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, 197, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 197, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 41.694, 184.126 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, 197, 181) }
```

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

```
.border{ border-color:rgb(45, 197, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 197, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 197, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 197, 181);  
box-shadow:4px 4px 4px 4px rgb(45, 197,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 41.694, 184.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 197, 181) }
```

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

```
.background{ background-color: rgb(45, 197,  
181) }
```

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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