

Converting Colors

CIELCh(73, 37.463, 184.025)

Have a look what the booklet for
CIELCh(73, 37.463, 184.025)
contains.

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Color

CIELCh(73, 37.566, 183.971)

Conversions

Conversions Part 1

Format	Color
Hex	4BC6B7
RGB	75, 198, 183
RGB Percent	29%, 78%, 72%
CMY	0.7070, 0.2245, 0.2833
CMYK	0.62, 0.00, 0.08, 0.22
HSL	173°, 52%, 53%
HSV	173°, 62%, 78%
XYZ	31.5357, 45.1644, 51.7201
YIQ	159.5130, -68.4930, -30.7410

Conversions

Conversions Part 2

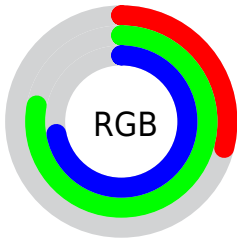
Format	Color
RYB	75, 140, 198
Decimal	4966071
CIELab	73.00, -37.48, -2.60
CIELCh	73, 37.566, 183.971
Yxy	45.1644, 0.2456, 0.3517
Android (android.graphics.Color)	4283156151 (0xFF4BC6B7)
YUV	159.5130, 11.5791, -74.1179
Hunter-Lab	67.2044, -33.8467, 1.4139

Details

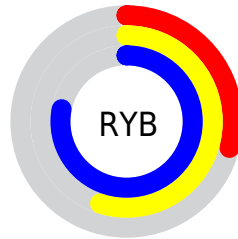
The CIELCh color **73, 37.566, 183.971** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **49, 53.171, 19.281**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.520, 184.261**, and **53, 35.352, 183.685** is the 20% darker color. If you saturate the color by 10%, you get **72, 41.114, 182.917**, and if you desaturate by 10%, it is **74, 33.166, 184.948**.

Distribution



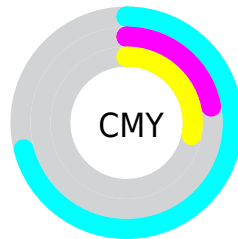
- Red (29%)
- Green (78%)
- Blue (72%)



- Red (29%)
- Yellow (55%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (71%)
- Magenta (22%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.566, 183.971 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, 37.566, 183.971 by changing the saturation by 10% instead.


 73, 37.566,
183.971


 73, 37.566,
183.971


 100, 37.566,
183.971


 63, 37.566,
183.971


 93, 37.566,
183.971

 53, 37.566,
183.971

 43, 37.566,
183.971

 33, 37.566,
183.971

 23, 37.566,
183.971

 13, 37.566,
183.971

 3, 37.566, 183.971

0, 37.566, 183.971

73, 37.566,
183.971

73, 37.566,
183.971

72, 41.114,
182.917

74, 33.166,
184.948

72, 43.788,
181.770

74, 27.982,
185.872

72, 45.629,
180.511

75, 22.118,
186.754

72, 46.646,
179.474

77, 15.690,
187.610

78, 8.822, 188.459

79, 1.629, 189.526

81, 5.785, 9.899

■ 83, 13.331, 10.723

■ 85, 20.938, 11.496

Harmonies

Complementary

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



73, 37.566, 183.971



49, 53.171, 19.281

Rectangle

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



73, 37.566, 183.971



73, 37.566, 233.971



73, 37.566, 3.971



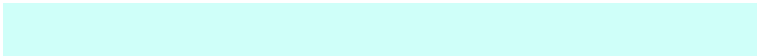
73, 37.566, 53.971

Sweetspot

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



73, 37.566, 183.970



97, 16.608, 187.859



72, 74.355, 136.572



51, 11.350, 187.613



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, 37.566, 183.970



91, 51.179, 182.481



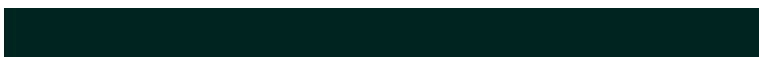
60, 32.112, 251.352



41, 4.134, 188.706



60, 40.371, 179.680



12, 14.168, 183.026

Inverse Universe

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



49, 53.171, 19.281



58, 78.517, 24.162



58, 45.643, 54.885



39, 4.326, 10.117



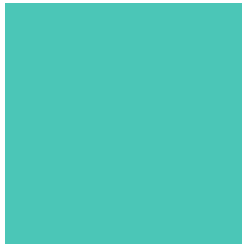
34, 69.700, 34.186



3, 16.005, 13.112

Previews

White Background



This preview shows how the CIELCh color 73, 37.566, 183.971 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, 37.566, 183.971 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

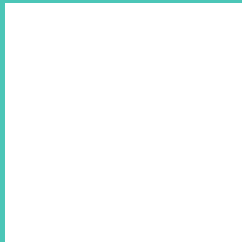
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 37.566, 183.971

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.566, 183.971.

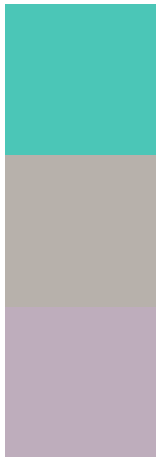


This preview shows how white text looks on a background with the CIELCh color 73, 37.566, 183.971.

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, 37.566, 183.971

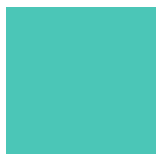
Protanopia
73, 3.956, 74.547

Deuteranopia
73, 10.348, 328.305

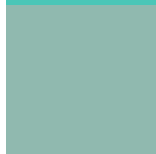


Tritanopia
73, 31.413, 213.499

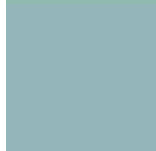
Trichromacy



Original Color
73, 37.566, 183.971



Protanomaly
72, 15.780, 177.916

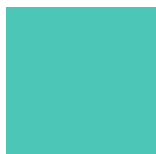


Deuteranomaly
72, 12.062, 208.977

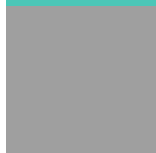


Tritanomaly
73, 32.574, 201.860

Monochromacy



Original Color
73, 37.566, 183.971



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 16.245, 188.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.566, 183.971 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(75, 198, 183)` looks like.

```
.text, #text, p{  
    color:rgb(75, 198, 183)  
}
```

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(75, 198, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 198, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.566, 183.971 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(75, 198, 183) }
```

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

```
.border{ border-color:rgb(75, 198, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 198, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 198, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 198, 183);  
box-shadow:4px 4px 4px 4px rgb(75, 198,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.566, 183.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 198, 183) }
```

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

```
.background{ background-color: rgb(75, 198,  
183) }
```

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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