

Converting Colors

CIELCh(73, 41.159, 196.468)

Have a look what the booklet for
CIELCh(73, 41.159, 196.468)
contains.

CIELCh(73, 41.124, 196.418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 41.124, 196.418)

Conversions

Conversions Part 1

Format	Color
Hex	10C7C7
RGB	16, 199, 199
RGB Percent	6%, 78%, 78%
CMY	0.9382, 0.2189, 0.2189
CMYK	0.92, 0.00, 0.00, 0.22
HSL	180°, 85%, 42%
HSV	180°, 92%, 78%
XYZ	30.9999, 45.1644, 61.2192
YIQ	144.2830, -109.0680, -38.7960

Conversions

Conversions Part 2

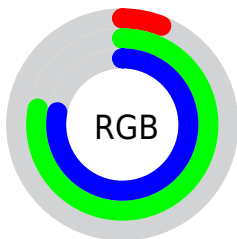
Format	Color
R_{YB}	16, 108, 199
Decimal	1099719
CIE _{Lab}	73.00, -39.45, -11.62
CIE _{LCh}	73, 41.124, 196.418
Yxy	45.1644, 0.2256, 0.3287
Android (android.graphics.Color)	4279289799 (0xFF10C7C7)
YUV	144.2830, 26.9755, -112.5042
Hunter-Lab	67.2044, -35.2697, -6.9665

Details

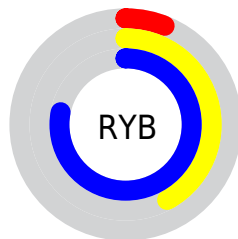
The CIELCh color **73, 41.124, 196.418** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **42, 82.463, 37.944**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **54, 32.591, 197.436** is the 20% darker color. If you saturate the color by 10%, you get **73, 41.607, 196.383**, and if you desaturate by 10%, it is **73, 39.965, 196.497**.

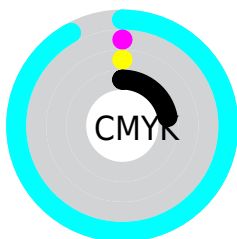
Distribution



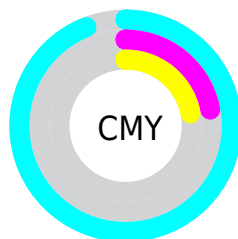
- Red (6%)
- Green (78%)
- Blue (78%)



- Red (6%)
- Yellow (42%)
- Blue (78%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (94%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 41.124, 196.418 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, 41.124, 196.418 by changing the saturation by 10% instead.


 73, 41.124,
196.418


 73, 41.124,
196.418


 100, 41.124,
196.418


 63, 41.124,
196.418


 93, 41.124,
196.418

 53, 41.124,
196.418

 43, 41.124,
196.418

 33, 41.124,
196.418

 23, 41.124,
196.418

 13, 41.124,
196.418

 3, 41.124, 196.418

■ 0, 41.124, 196.418

■ 73, 41.124,
196.418

■ 73, 41.124,
196.418

■ 73, 41.607,
196.383

■ 73, 39.965,
196.497

■ 73, 37.967,
196.636

■ 74, 35.071,
196.839

■ 75, 31.277,
197.108

■ 75, 26.635,
197.442

■ 76, 21.227,
197.839

■ 77, 15.161,
198.296

■ 79, 8.552, 198.818

■ 80, 1.516, 199.651

Harmonies

Complementary

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



73, 41.124, 196.418



42, 82.463, 37.944

Rectangle

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



73, 41.124, 196.418



73, 41.124, 246.418



73, 41.124, 16.418



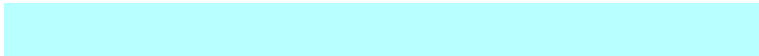
73, 41.124, 66.418

Sweetspot

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



73, 41.123, 196.417



96, 22.961, 198.000



70, 97.416, 136.229



50, 15.581, 197.810



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, 41.123, 196.417



91, 50.116, 196.383



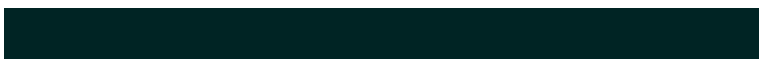
46, 53.733, 279.047



41, 4.034, 198.977



61, 35.889, 196.383



12, 12.984, 196.384

Inverse Universe

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



42, 82.463, 37.944



53, 104.575, 40.000



54, 67.475, 61.023



39, 4.279, 19.921



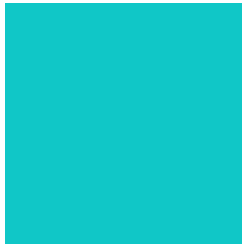
34, 74.644, 39.776



3, 15.885, 19.404

Previews

White Background



This preview shows how the CIELCh color 73, 41.124, 196.418 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, 41.124, 196.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

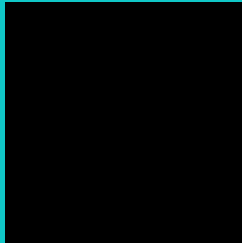
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

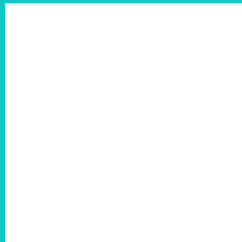
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 41.124, 196.418

Background



This preview shows how black text looks on a background with the CIELCh color 73, 41.124, 196.418.

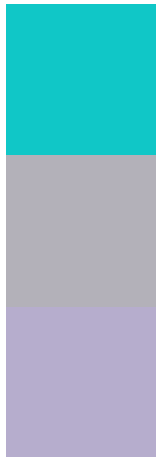


This preview shows how white text looks on a background with the CIELCh color 73, 41.124, 196.418.

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

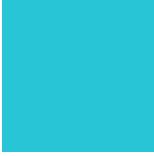
73, 41.085, 196.420

Protanopia

73, 4.428, 300.171

Deuteranopia

72, 17.779, 302.091



Tritanopia
73, 38.025, 210.173

Trichromacy



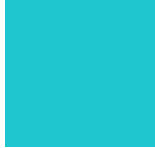
Original Color
73, 41.085, 196.420



Protanomaly
71, 21.403, 205.176



Deuteranomaly
71, 21.823, 228.380



Tritanomaly
73, 39.043, 204.742

Monochromacy



Original Color
73, 41.085, 196.420



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 22.257, 197.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 41.124, 196.418 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(16, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(16, 199, 199)  
}
```

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(16, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 199, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 41.124, 196.418 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(16, 199, 199) }
```

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

```
.border{ border-color:rgb(16, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(16, 199,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 41.124, 196.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 199, 199) }
```

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

```
.background{ background-color: rgb(16, 199,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor