

Converting Colors

CIELCh(73, 37.014, 206.196)

Have a look what the booklet for
CIELCh(73, 37.014, 206.196)
contains.

CIELCh(73, 36.975, 206.208)	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, 36.975, 206.208)

Conversions

Conversions Part 1

Format	Color
Hex	34C5D0
RGB	52, 197, 208
RGB Percent	20%, 77%, 82%
CMY	0.7966, 0.2278, 0.1847
CMYK	0.75, 0.05, 0.00, 0.18
HSL	184°, 62%, 51%
HSV	184°, 75%, 82%
XYZ	32.7261, 45.1644, 66.6057
YIQ	154.8990, -89.9510, -27.3190

Conversions

Conversions Part 2

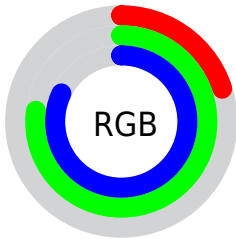
Format	Color
RYB	52, 127, 208
Decimal	3458512
CIELab	73.00, -33.17, -16.33
CIELCh	73, 36.975, 206.208
Yxy	45.1644, 0.2265, 0.3126
Android (android.graphics.Color)	4281648592 (0xFF34C5D0)
YUV	154.8990, 26.1788, -90.2424
Hunter-Lab	67.2044, -30.6847, -11.7186

Details

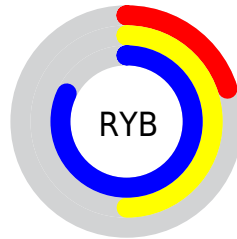
The CIELCh color **73, 36.975, 206.208** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 68.581, 34.979**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.576, 197.910**, and **54, 31.454, 208.432** is the 20% darker color. If you saturate the color by 10%, you get **72, 38.469, 206.979**, and if you desaturate by 10%, it is **74, 34.571, 205.654**.

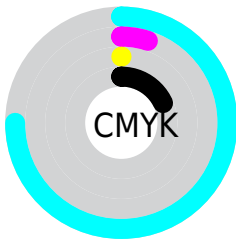
Distribution



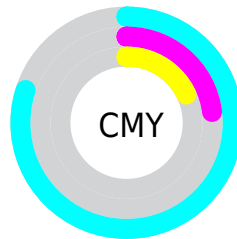
- Red (20%)
- Green (77%)
- Blue (82%)



- Red (20%)
- Yellow (50%)
- Blue (82%)



- Cyan (75%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (80%)
- Magenta (23%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 36.975, 206.208 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, 36.975, 206.208 by changing the saturation by 10% instead.


 73, 36.975,
206.208


 73, 36.975,
206.208


 100, 36.975,
206.208


 63, 36.975,
206.208


 93, 36.975,
206.208

 53, 36.975,
206.208

 43, 36.975,
206.208

 33, 36.975,
206.208

 23, 36.975,
206.208

 13, 36.975,
206.208

 3, 36.975, 206.208

0, 36.975, 206.208

73, 36.975,
206.208

73, 36.975,
206.208

72, 38.469,
206.979

74, 34.571,
205.654

72, 39.130,
207.988

75, 31.252,
205.297

71, 39.272,
208.545

76, 27.062,
205.111

77, 22.086,
205.071

79, 16.427,
205.156

81, 10.200,
205.353

■ 82, 3.519, 205.716

■ 84, 3.513, 25.708

■ 87, 10.805, 26.185

Harmonies

Complementary

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



73, 36.975, 206.208



48, 68.581, 34.979

Rectangle

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



73, 36.975, 206.208



73, 36.975, 256.208



73, 36.975, 26.208



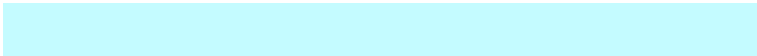
73, 36.975, 76.208

Sweetspot

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



73, 36.974, 206.207



95, 17.908, 205.184



74, 88.555, 138.957



50, 12.232, 205.132



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, 36.974, 206.207



87, 45.442, 207.556



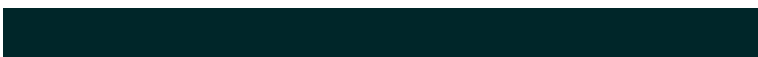
50, 52.615, 280.121



43, 3.923, 205.521



59, 33.593, 208.349



13, 13.037, 205.841

Inverse Universe

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



52, 85.407, 330.365



60, 107.671, 330.971



64, 58.030, 71.791



41, 7.332, 326.904



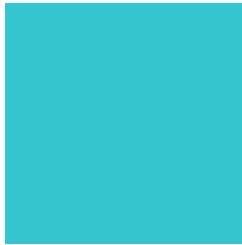
39, 80.136, 331.229



5, 29.484, 330.227

Previews

White Background



This preview shows how the CIE LCh color 73, 36.975, 206.208 looks on a white background.

Color Contrast Check

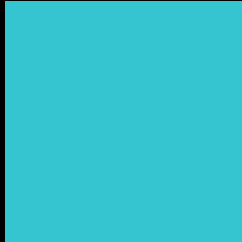
Large Text (above 18pt) WCAG AA × Fail

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, 36.975, 206.208 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

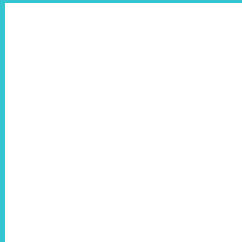
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 36.975, 206.208

Background



This preview shows how black text looks on a background with the CIELCh color 73, 36.975, 206.208.

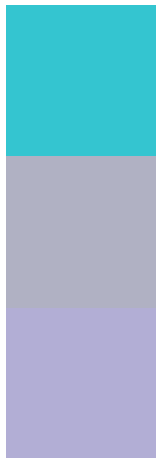


This preview shows how white text looks on a background with the CIELCh color 73, 36.975, 206.208.

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, 36.975, 206.208

Protanopia
73, 9.792, 289.034

Deuteranopia
73, 21.312, 295.891

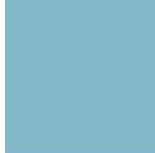


Tritanopia
73, 36.321, 210.927

Trichromacy



Original Color
73, 36.975, 206.208



Protanomaly
72, 19.093, 225.594



Deuteranomaly
72, 21.910, 245.075

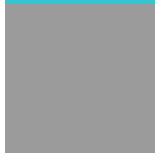


Tritanomaly
73, 36.444, 209.966

Monochromacy



Original Color
73, 36.975, 206.208



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 18.065, 205.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 36.975, 206.208 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(52, 197, 208)` looks like.

```
.text, #text, p{  
    color:rgb(52, 197, 208)  
}
```

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(52, 197, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 197, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 36.975, 206.208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

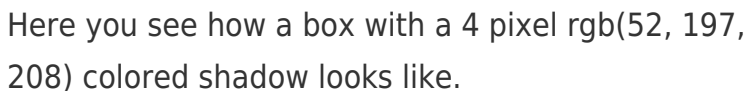
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(52, 197, 208) }
```

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

```
.border{ border-color:rgb(52, 197, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(52, 197, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(52, 197, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(52, 197, 208); box-shadow:4px 4px 4px 4px rgb(52, 197, 208) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 36.975, 206.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 197, 208) }
```

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

```
.background{ background-color: rgb(52, 197,  
208) }
```

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