

Converting Colors

CIELCh(73, 35.347, 222.013)

Have a look what the booklet for
CIELCh(73, 35.347, 222.013)
contains.

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Color

CIELCh(73, 35.300, 222.071)

Conversions

Conversions Part 1

Format	Color
Hex	42C2DD
RGB	66, 194, 221
RGB Percent	26%, 76%, 87%
CMY	0.7427, 0.2375, 0.1316
CMYK	0.70, 0.12, 0.00, 0.13
HSL	190°, 70%, 56%
HSV	190°, 70%, 87%
XYZ	34.7179, 45.1644, 75.6021
YIQ	158.8060, -84.9550, -18.7390

Conversions

Conversions Part 2

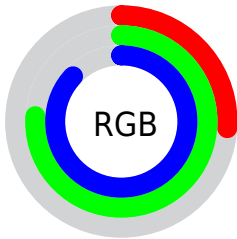
Format	Color
RYB	66, 136, 221
Decimal	4375261
CIELab	73.00, -26.20, -23.65
CIELCh	73, 35.300, 222.071
Yxy	45.1644, 0.2233, 0.2905
Android (android.graphics.Color)	4282565341 (0xFF42C2DD)
YUV	158.8060, 30.6616, -81.3909
Hunter-Lab	67.2044, -25.3944, -19.6555

Details

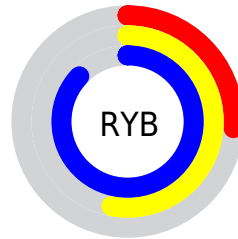
The CIELCh color **73, 35.300, 222.071** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **56, 63.371, 39.688**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 34.570, 200.760**, and **54, 31.584, 225.826** is the 20% darker color. If you saturate the color by 10%, you get **71, 37.319, 224.274**, and if you desaturate by 10%, it is **75, 32.422, 220.355**.

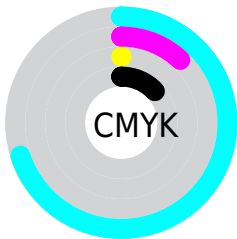
Distribution



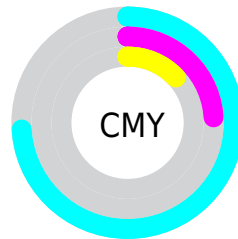
- Red (26%)
- Green (76%)
- Blue (87%)



- Red (26%)
- Yellow (53%)
- Blue (87%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)





- Cyan (74%)
- Magenta (24%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 35.300, 222.071 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, 35.300, 222.071 by changing the saturation by 10% instead.


 73, 35.300,
222.071


 73, 35.300,
222.071


 100, 35.300,
222.071


 63, 35.300,
222.071


 93, 35.300,
222.071

 53, 35.300,
222.071

 43, 35.300,
222.071

 33, 35.300,
222.071

 23, 35.300,
222.071

 13, 35.300,
222.071

 3, 35.300, 222.071

0, 35.300, 222.071

73, 35.300,
222.071

73, 35.300,
222.071

71, 37.319,
224.274

75, 32.422,
220.355

70, 38.543,
227.034

77, 28.698,
219.054

69, 39.176,
230.178

79, 24.188,
218.092

81, 18.983,
217.406

83, 13.189,
216.945

86, 6.913, 216.684

■ 88, 0.254, 218.759

■ 91, 6.699, 36.277

■ 93, 10.331, 41.909

Harmonies

Complementary

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



73, 35.300, 222.071



56, 63.371, 39.688

Rectangle

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



73, 35.300, 222.071



73, 35.300, 272.071



73, 35.300, 42.071



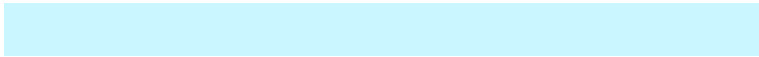
73, 35.300, 92.071

Sweetspot

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



73, 35.299, 222.070



94, 15.207, 216.975



78, 83.548, 142.141



49, 10.197, 217.087



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, 35.299, 222.070



81, 42.202, 225.388



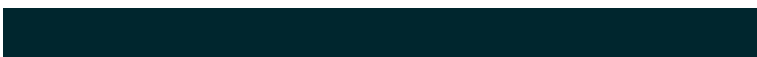
51, 60.688, 286.468



45, 3.764, 216.671



55, 32.626, 229.556



13, 13.131, 223.117

Inverse Universe

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



55, 80.556, 334.255



60, 98.079, 335.348



72, 59.302, 81.397



43, 7.097, 330.160



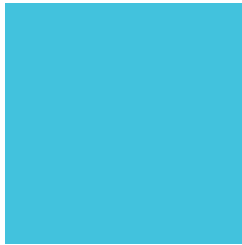
39, 75.659, 336.529



6, 30.590, 334.819

Previews

White Background



This preview shows how the CIE LCh color 73, 35.300, 222.071 looks on a white background.

Color Contrast Check

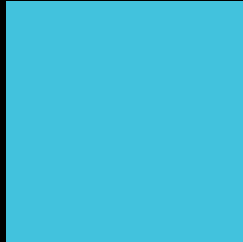
Large Text (above 18pt) WCAG AA × Fail

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, 35.300, 222.071 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, 35.300, 222.071

Background



This preview shows how black text looks on a background with the CIELCh color 73, 35.300, 222.071.



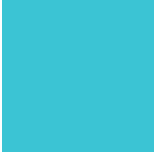
This preview shows how white text looks on a background with the CIELCh color 73, 35.300, 222.071.

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





Tritanopia
73, 35.853, 211.144

Trichromacy



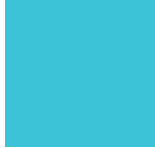
Original Color
73, 35.177, 222.171



Protanomaly
72, 22.595, 247.290



Deuteranomaly
72, 26.899, 257.539



Tritanomaly
73, 35.494, 215.086

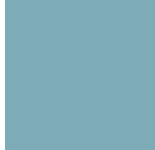
Monochromacy



Original Color
73, 35.177, 222.171



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 16.635, 217.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 35.300, 222.071 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(66, 194, 221)` looks like.

```
.text, #text, p{  
    color:rgb(66, 194, 221)  
}
```

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(66, 194, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 194, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 35.300, 222.071 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(66, 194, 221) }
```

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

```
.border{ border-color:rgb(66, 194, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 194, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 194, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 194, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 194,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 35.300, 222.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 194, 221) }
```

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

```
.background{ background-color: rgb(66, 194,  
221) }
```

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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