

Converting Colors

CIELCh(73, 38.227, 226.410)

Have a look what the booklet for
CIELCh(73, 38.227, 226.410)
contains.

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Color

CIELCh(73, 38.237, 226.427)

Conversions

Conversions Part 1

Format	Color
Hex	2DC3E5
RGB	45, 195, 229
RGB Percent	18%, 76%, 90%
CMY	0.8246, 0.2359, 0.1026
CMYK	0.80, 0.15, 0.00, 0.10
HSL	191°, 78%, 54%
HSV	191°, 80%, 90%
XYZ	34.6736, 45.1644, 80.9080
YIQ	154.0260, -100.3140, -21.2260

Conversions

Conversions Part 2

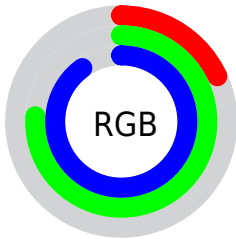
Format	Color
R _{YB}	45, 128, 229
Decimal	2999269
CIE Lab	73.00, -26.36, -27.70
CIE LCh	73, 38.237, 226.427
Yxy	45.1644, 0.2157, 0.2810
Android (android.graphics.Color)	4281189349 (0xFF2DC3E5)
YUV	154.0260, 36.9622, -95.6158
Hunter-Lab	67.2044, -25.5121, -24.3366

Details

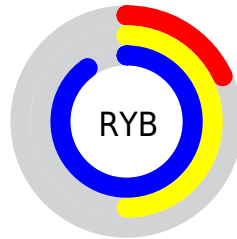
The CIELCh color **73, 38.237, 226.427** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **54, 75.678, 41.619**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 37.167, 199.556**, and **54, 32.647, 232.088** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.548, 229.410**, and if you desaturate by 10%, it is **75, 36.132, 224.033**.

Distribution



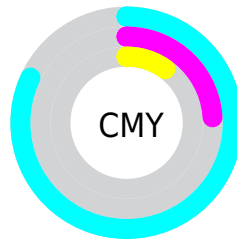
- Red (18%)
- Green (76%)
- Blue (90%)



- Red (18%)
- Yellow (50%)
- Blue (90%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)




- Cyan (82%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 38.237, 226.427 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, 38.237, 226.427 by changing the saturation by 10% instead.


 73, 38.237,
226.427


 73, 38.237,
226.427


 100, 38.237,
226.427


 63, 38.237,
226.427


 93, 38.237,
226.427

 53, 38.237,
226.427

 43, 38.237,
226.427

 33, 38.237,
226.427

 23, 38.237,
226.427

 13, 38.237,
226.427

 3, 38.237, 226.427

0, 38.237, 226.427

73, 38.237,
226.427

73, 38.237,
226.427

71, 39.548,
229.410

75, 36.132,
224.033

70, 40.274,
232.765

76, 33.169,
222.161

79, 29.350,
220.730

81, 24.737,
219.661

83, 19.421,
218.886

85, 13.508,
218.350

■ 88, 7.107, 218.024

■ 91, 0.317, 219.622

■ 94, 6.772, 37.512

Harmonies

Complementary

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



73, 38.237, 226.427



54, 75.678, 41.619

Rectangle

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



73, 38.237, 226.427



73, 38.237, 276.427



73, 38.237, 46.427



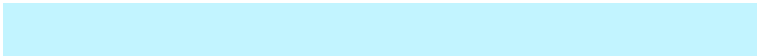
73, 38.237, 96.427

Sweetspot

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



73, 38.236, 226.427



93, 17.096, 218.523



80, 93.456, 141.002



49, 11.597, 218.718



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, 38.236, 226.427



78, 43.508, 231.908



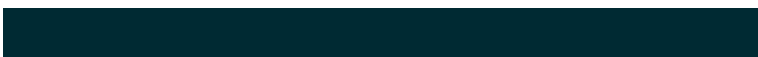
47, 74.049, 291.136



47, 3.881, 218.005



56, 33.413, 232.108



15, 13.985, 225.916

Inverse Universe

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



54, 88.038, 335.566



58, 99.730, 337.145



73, 68.487, 81.066



45, 7.308, 330.552



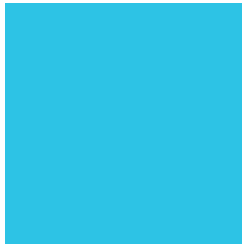
41, 76.623, 337.208



8, 32.850, 335.584

Previews

White Background



This preview shows how the CIE LCh color 73, 38.237, 226.427 looks on a white background.

Color Contrast Check

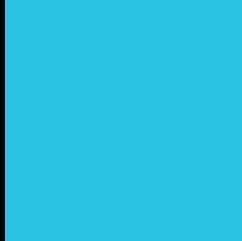
Large Text (above 18pt) WCAG AA × Fail

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, 38.237, 226.427 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, 38.237, 226.427

Background



This preview shows how black text looks on a background with the CIELCh color 73, 38.237, 226.427.

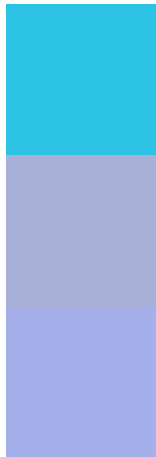


This preview shows how white text looks on a background with the CIELCh color 73, 38.237, 226.427.

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

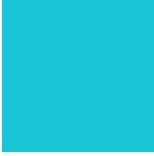
73, 38.237, 226.427

Protanopia

73, 21.830, 286.079

Deuteranopia

73, 31.612, 287.378



Tritanopia
73, 38.972, 210.629

Trichromacy



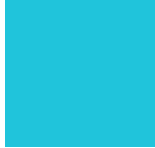
Original Color
73, 38.237, 226.427



Protanomaly
72, 26.679, 249.874



Deuteranomaly
72, 31.291, 257.867



Tritanomaly
73, 38.406, 216.126

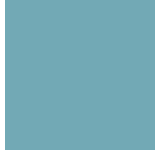
Monochromacy



Original Color
73, 38.237, 226.427



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 19.092, 218.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 38.237, 226.427 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, 195, 229)` looks like.

```
.text, #text, p{  
    color:rgb(45, 195, 229)  
}
```

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, 195, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 195, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 38.237, 226.427 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, 195, 229) }
```

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

```
.border{ border-color:rgb(45, 195, 229) }
```

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

Here you see how a box with a 4 pixel rgb(45, 195, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 195, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 195, 229);  
box-shadow:4px 4px 4px 4px rgb(45, 195,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 38.237, 226.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 195, 229) }
```

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

```
.background{ background-color: rgb(45, 195,  
229) }
```

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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