

Converting Colors

CIELCh(73, 37.271, 227.886)

Have a look what the booklet for
CIELCh(73, 37.271, 227.886)
contains.

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Color

CIELCh(73, 37.280, 228.340)

Conversions

Conversions Part 1

Format	Color
Hex	38C2E5
RGB	56, 194, 229
RGB Percent	22%, 76%, 90%
CMY	0.7794, 0.2386, 0.1013
CMYK	0.75, 0.15, 0.00, 0.10
HSL	192°, 77%, 56%
HSV	192°, 75%, 90%
XYZ	35.1344, 45.1644, 81.1083
YIQ	156.7280, -93.4830, -18.3710

Conversions

Conversions Part 2

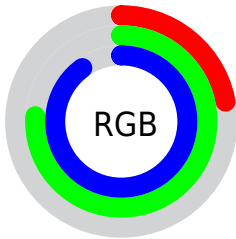
Format	Color
R_{YB}	56, 133, 229
Decimal	3719909
CIE _{Lab}	73.00, -24.78, -27.85
CIE _{LCh}	73, 37.280, 228.340
Yxy	45.1644, 0.2177, 0.2798
Android (android.graphics.Color)	4281909989 (0xFF38C2E5)
YUV	156.7280, 35.6301, -88.3385
Hunter-Lab	67.2044, -24.2883, -24.5133

Details

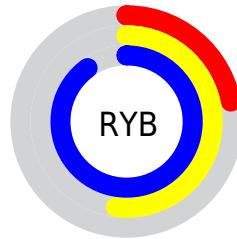
The CIELCh color **73, 37.280, 228.340** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 69.706, 42.103**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 35.641, 200.593**, and **54, 32.706, 233.347** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.091, 231.309**, and if you desaturate by 10%, it is **75, 34.670, 225.972**.

Distribution



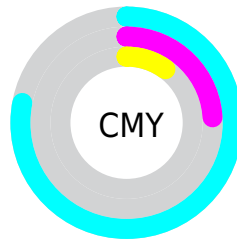
- Red (22%)
- Green (76%)
- Blue (90%)



- Red (22%)
- Yellow (52%)
- Blue (90%)



- Cyan (75%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)





- Cyan (78%)
- Magenta (24%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.280, 228.340 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, 37.280, 228.340 by changing the saturation by 10% instead.


 73, 37.280,
228.340


 73, 37.280,
228.340


 100, 37.280,
228.340


 63, 37.280,
228.340


 93, 37.280,
228.340

 53, 37.280,
228.340

 43, 37.280,
228.340

 33, 37.280,
228.340

 23, 37.280,
228.340

 13, 37.280,
228.340

 3, 37.280, 228.340

■ 0, 37.280, 228.340

■ 73, 37.280,
228.340

■ 73, 37.280,
228.340

■ 71, 39.091,
231.309

■ 75, 34.670,
225.972

■ 70, 40.229,
234.926

■ 77, 31.228,
224.125

■ 69, 40.638,
236.709

■ 79, 26.984,
222.713

■ 82, 22.011,
221.656

■ 84, 16.407,
220.884

■ 87, 10.277,
220.348

■ 89, 3.722, 220.069

■ 92, 3.166, 39.471

■ 95, 7.742, 46.209

Harmonies

Complementary

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



73, 37.280, 228.340



57, 69.706, 42.103

Rectangle

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



73, 37.280, 228.340



73, 37.280, 278.340



73, 37.280, 48.340



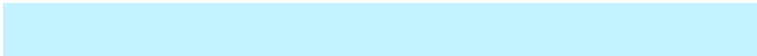
73, 37.280, 98.340

Sweetspot

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



73, 37.279, 228.340



93, 16.295, 220.740



81, 88.458, 142.289



49, 11.140, 220.972



0, 0.000, 0.000



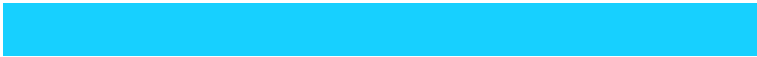
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 37.279, 228.340



78, 43.205, 233.432



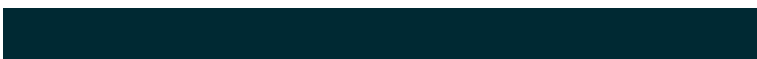
49, 70.861, 290.436



47, 3.843, 220.136



55, 33.652, 235.990



14, 13.985, 229.188

Inverse Universe

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



56, 84.475, 335.994



58, 97.945, 337.535



75, 65.705, 83.339



45, 7.217, 331.176



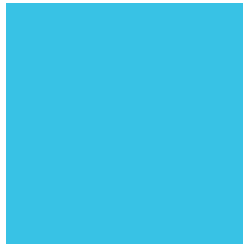
40, 75.613, 338.275



8, 32.471, 336.432

Previews

White Background



This preview shows how the CIELCh color 73, 37.280, 228.340 looks on a white background.

Color Contrast Check

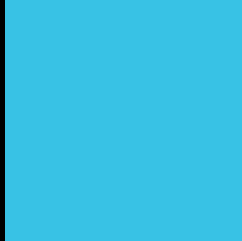
Large Text (above 18pt) WCAG AA × Fail

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, 37.280, 228.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

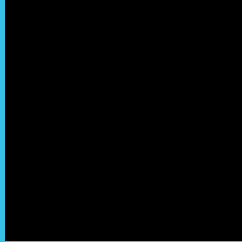
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 37.280, 228.340

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.280, 228.340.



This preview shows how white text looks on a background with the CIELCh color 73, 37.280, 228.340.

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

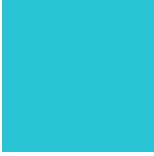
73, 37.280, 228.340

Protanopia

73, 21.830, 286.079

Deuteranopia

73, 31.612, 287.378



Tritanopia
73, 37.779, 210.278

Trichromacy



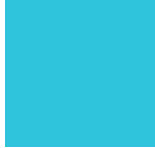
Original Color
73, 37.280, 228.340



Protanomaly
72, 26.035, 251.698



Deuteranomaly
72, 31.215, 260.138



Tritanomaly
73, 37.264, 216.810

Monochromacy



Original Color
73, 37.280, 228.340



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 18.006, 219.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.280, 228.340 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(56, 194, 229)` looks like.

```
.text, #text, p{  
    color:rgb(56, 194, 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(56, 194, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 194, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.280, 228.340 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(56, 194, 229) }
```

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

```
.border{ border-color:rgb(56, 194, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 194, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 194, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 194, 229);  
box-shadow:4px 4px 4px 4px rgb(56, 194,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.280, 228.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 194, 229) }
```

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

```
.background{ background-color: rgb(56, 194,  
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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