

Converting Colors

CIELCh(73, 36.968, 238.163)

Have a look what the booklet for
CIELCh(73, 36.968, 238.163)
contains.

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Color

CIELCh(73, 37.022, 238.354)

Conversions

Conversions Part 1

Format	Color
Hex	49C0EC
RGB	73, 192, 236
RGB Percent	29%, 75%, 93%
CMY	0.7138, 0.2471, 0.0746
CMYK	0.69, 0.19, 0.00, 0.07
HSL	196°, 81%, 61%
HSV	196°, 69%, 93%
XYZ	36.7312, 45.1644, 86.1273
YIQ	161.4350, -85.0480, -11.5440

Conversions

Conversions Part 2

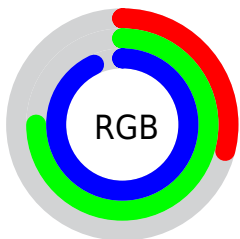
Format	Color
RYB	73, 142, 236
Decimal	4833516
CIELab	73.00, -19.42, -31.52
CIELCh	73, 37.022, 238.354
Yxy	45.1644, 0.2186, 0.2688
Android (android.graphics.Color)	4283023596 (0xFF49C0EC)
YUV	161.4350, 36.7605, -77.5575
Hunter-Lab	67.2044, -20.0470, -28.9413

Details

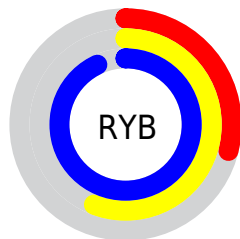
The CIELCh color **73, 37.022, 238.354** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **63, 62.059, 46.422**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 32.391, 203.923**, and **53, 34.621, 242.659** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.943, 241.792**, and if you desaturate by 10%, it is **76, 33.421, 235.573**.

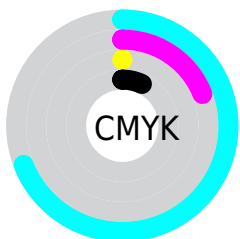
Distribution



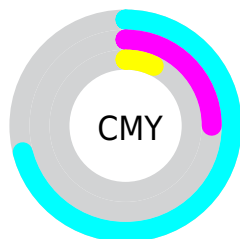
- Red (29%)
- Green (75%)
- Blue (93%)



- Red (29%)
- Yellow (56%)
- Blue (93%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)





- Cyan (71%)
- Magenta (25%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.022, 238.354 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, 37.022, 238.354 by changing the saturation by 10% instead.


 73, 37.022,
238.354


 73, 37.022,
238.354


 100, 37.022,
238.354


 63, 37.022,
238.354


 93, 37.022,
238.354

 53, 37.022,
238.354

 43, 37.022,
238.354

 33, 37.022,
238.354

 23, 37.022,
238.354

 13, 37.022,
238.354

 3, 37.022, 238.354

■ 0, 37.022, 238.354

■ 73, 37.022,
238.354

■ 73, 37.022,
238.354

■ 71, 39.943,
241.792

■ 76, 33.421,
235.573

■ 68, 42.284,
245.937

■ 78, 29.124,
233.364

■ 66, 44.264,
250.693

■ 81, 24.167,
231.631

■ 66, 44.452,
251.138

■ 84, 18.624,
230.286

■ 87, 12.583,
229.256

■ 90, 6.134, 228.503

■ 94, 0.638, 46.873

■ 97, 5.582, 58.985

■ 98, 7.060, 92.842

Harmonies

Complementary

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



73, 37.022, 238.354



63, 62.059, 46.422

Rectangle

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



73, 37.022, 238.354



73, 37.022, 288.354



73, 37.022, 58.354



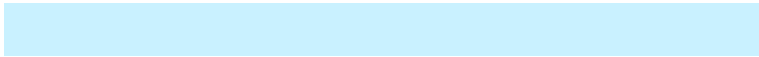
73, 37.022, 108.354

Sweetspot

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



73, 37.021, 238.354



93, 14.675, 229.442



83, 80.609, 145.455



48, 9.854, 229.714



0, 0.000, 0.000



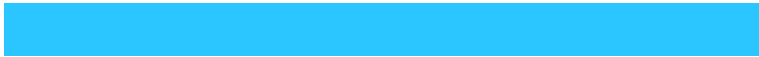
53, 0.007, 296.813

Same Dimension

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



73, 37.021, 238.354



75, 43.483, 243.479



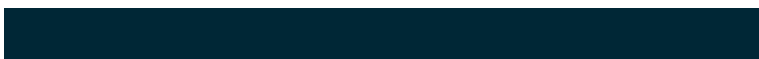
51, 72.512, 292.267



47, 3.821, 228.527



52, 36.227, 250.225



14, 14.853, 242.074

Inverse Universe

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



58, 78.546, 338.696



59, 91.500, 340.418



81, 64.892, 89.556



46, 7.003, 333.698



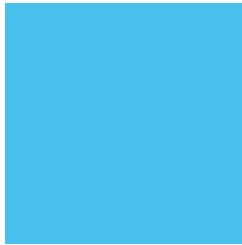
40, 72.823, 342.698



8, 32.055, 340.049

Previews

White Background



This preview shows how the CIELCh color 73, 37.022, 238.354 looks on a white background.

Color Contrast Check

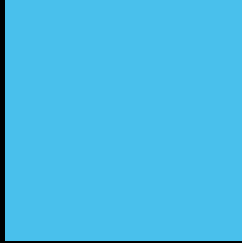
Large Text (above 18pt) WCAG AA × Fail

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, 37.022, 238.354 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, 37.022, 238.354

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.022, 238.354.

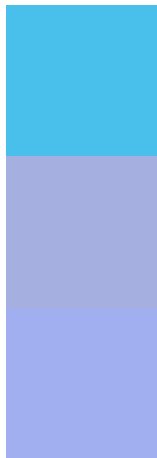


This preview shows how white text looks on a background with the CIELCh color 73, 37.022, 238.354.

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

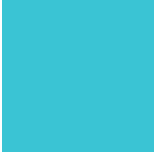
73, 37.022, 238.354

Protanopia

73, 26.217, 285.494

Deuteranopia

73, 35.465, 286.474



Tritanopia
73, 35.973, 211.088

Trichromacy



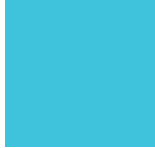
Original Color
73, 37.022, 238.354



Protanomaly
72, 28.610, 260.497



Deuteranomaly
72, 34.273, 266.874



Tritanomaly
73, 35.616, 220.808

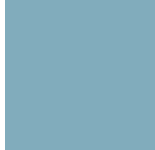
Monochromacy



Original Color
73, 37.022, 238.354



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 16.613, 230.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.022, 238.354 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(73, 192, 236)` looks like.

```
.text, #text, p{  
    color:rgb(73, 192, 236)  
}
```

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(73, 192, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 192, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.022, 238.354 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(73, 192, 236) }
```

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

```
.border{ border-color:rgb(73, 192, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 192, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 192, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 192, 236);  
box-shadow:4px 4px 4px 4px rgb(73, 192,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.022, 238.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 192, 236) }
```

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

```
.background{ background-color: rgb(73, 192,  
236) }
```

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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