

Converting Colors

CIELCh(73, 37.343, 237.916)

Have a look what the booklet for
CIELCh(73, 37.343, 237.916)
contains.

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Color

CIELCh(73, 37.343, 237.916)

Conversions

Conversions Part 1

Format	Color
Hex	46C0EC
RGB	70, 192, 236
RGB Percent	27%, 75%, 93%
CMY	0.7244, 0.2463, 0.0737
CMYK	0.70, 0.19, 0.00, 0.07
HSL	196°, 82%, 60%
HSV	196°, 70%, 93%
XYZ	36.6070, 45.1644, 86.2987
YIQ	160.5380, -86.8360, -12.1800

Conversions

Conversions Part 2

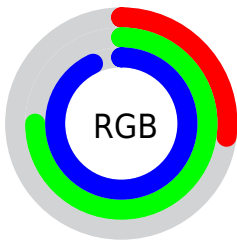
Format	Color
RYB	70, 140, 236
Decimal	4636908
CIELab	73.00, -19.84, -31.64
CIELCh	73, 37.343, 237.916
Yxy	45.1644, 0.2178, 0.2687
Android (android.graphics.Color)	4282826988 (0xFF46C0EC)
YUV	160.5380, 37.2028, -79.4018
Hunter-Lab	67.2044, -20.3768, -29.0924

Details

The CIELCh color **73, 37.343, 237.916** 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 **62, 63.532, 46.092**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 33.115, 202.822**, and **53, 34.621, 242.659** is the 20% darker color. If you saturate the color by 10%, you get **71, 40.139, 241.386**, and if you desaturate by 10%, it is **75, 33.860, 235.108**.

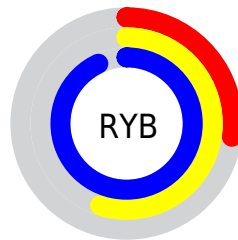
Distribution



Red (27%)

Green (75%)

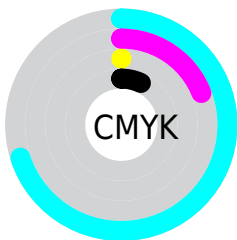
Blue (93%)



Red (27%)

Yellow (55%)

Blue (93%)

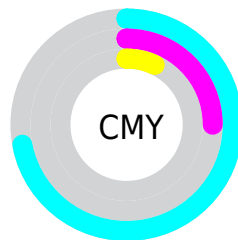


Cyan (70%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (72%)


Magenta (25%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.343, 237.916 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, 37.343, 237.916 by changing the saturation by 10% instead.


 73, 37.343,
237.916


 73, 37.343,
237.916


 100, 37.343,
237.916


 63, 37.343,
237.916


 93, 37.343,
237.916

 53, 37.343,
237.916

 43, 37.343,
237.916

 33, 37.343,
237.916

 23, 37.343,
237.916

 13, 37.343,
237.916

 3, 37.343, 237.916

■ 0, 37.343, 237.916

■ 73, 37.343,
237.916

■ 73, 37.343,
237.916

■ 71, 40.139,
241.386

■ 75, 33.860,
235.108

■ 69, 42.357,
245.563

■ 78, 29.667,
232.877

■ 67, 44.201,
250.188

■ 81, 24.799,
231.129

■ 84, 19.325,
229.775

■ 87, 13.337,
228.739

■ 90, 6.924, 227.976

■ 93, 0.174, 230.679

■ 96, 5.505, 54.000

■ 98, 6.683, 89.486

Harmonies

Complementary

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



73, 37.343, 237.916



62, 63.532, 46.092

Rectangle

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



73, 37.343, 237.916



73, 37.343, 287.916



73, 37.343, 57.916



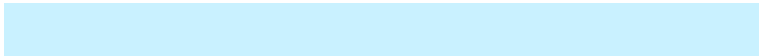
73, 37.343, 107.916

Sweetspot

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



73, 37.342, 237.916



93, 14.685, 228.815



83, 82.794, 144.696



49, 9.859, 229.080



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, 37.342, 237.916



75, 43.562, 243.015



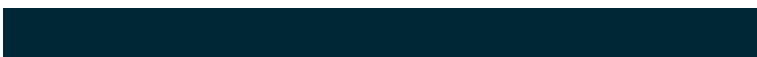
51, 72.225, 291.718



48, 3.825, 227.929



52, 36.007, 249.279



14, 14.802, 241.217

Inverse Universe

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



58, 79.686, 338.585



59, 92.135, 340.279



80, 65.190, 88.127



46, 7.027, 333.513



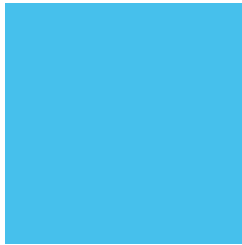
40, 73.056, 342.371



8, 32.148, 339.790

Previews

White Background



This preview shows how the CIELCh color 73, 37.343, 237.916 looks on a white background.

Color Contrast Check

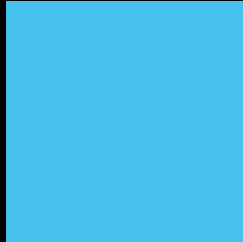
Large Text (above 18pt) WCAG AA × Fail

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, 37.343, 237.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

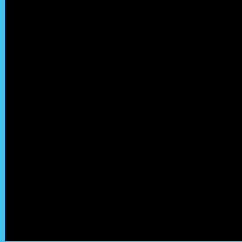
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 37.343, 237.916

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.343, 237.916.

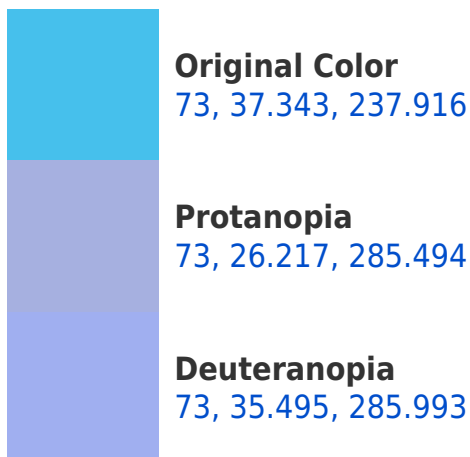


This preview shows how white text looks on a background with the CIELCh color 73, 37.343, 237.916.

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, 36.433, 210.876

Trichromacy



Original Color
73, 37.343, 237.916



Protanomaly
72, 28.738, 260.028



Deuteranomaly
72, 34.471, 266.099



Tritanomaly
73, 35.963, 220.545

Monochromacy



Original Color
73, 37.343, 237.916



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 16.869, 230.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.343, 237.916 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(70, 192, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 192, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 192, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.343, 237.916 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(70, 192, 236) }
```

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

```
.border{ border-color:rgb(70, 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(70, 192, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 192, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 192, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 192,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.343, 237.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 192, 236) }
```

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

```
.background{ background-color: rgb(70, 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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