

Converting Colors

CIELCh(71, 37.560, 240.039)

Have a look what the booklet for
CIELCh(71, 37.560, 240.039)
contains.

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Color

CIELCh(71, 37.549, 240.214)

Conversions

Conversions Part 1

Format	Color
Hex	41BAE8
RGB	65, 186, 232
RGB Percent	25%, 73%, 91%
CMY	0.7438, 0.2697, 0.0893
CMYK	0.72, 0.20, 0.00, 0.09
HSL	197°, 79%, 58%
HSV	197°, 72%, 91%
XYZ	34.4071, 42.1875, 82.8493
YIQ	155.0650, -86.8820, -11.3460

Conversions

Conversions Part 2

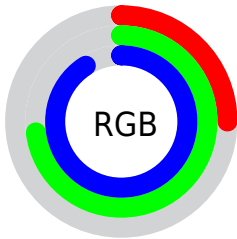
Format	Color
R _Y B	65, 135, 232
Decimal	4307688
CIE Lab	71.00, -18.65, -32.59
CIE LCh	71, 37.549, 240.214
Yxy	42.1875, 0.2158, 0.2646
Android (android.graphics.Color)	4282497768 (0xFF41BAE8)
YUV	155.0650, 37.9290, -78.9870
Hunter-Lab	64.9519, -19.1087, -30.1609

Details

The CIELCh color **71, 37.549, 240.214** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **61, 64.077, 46.912**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 32.285, 209.686**, and **52, 34.401, 244.885** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.329, 243.899**, and if you desaturate by 10%, it is **73, 34.133, 237.208**.

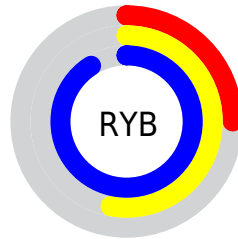
Distribution



Red (25%)

Green (73%)

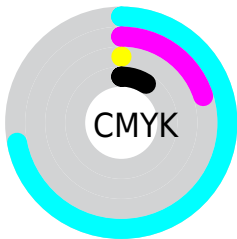
Blue (91%)



Red (25%)

Yellow (53%)

Blue (91%)

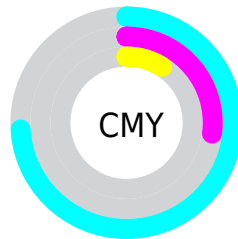


Cyan (72%)

Magenta (20%)

Yellow (0%)

Black (9%)



Cyan (74%)


Magenta (27%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 37.549, 240.214 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 71, 37.549, 240.214 by changing the saturation by 10% instead.


 71, 37.549,
240.214


 71, 37.549,
240.214


 100, 37.549,
240.214


 61, 37.549,
240.214


 91, 37.549,
240.214

 51, 37.549,
240.214

 41, 37.549,
240.214

 31, 37.549,
240.214

 21, 37.549,
240.214

 11, 37.549,
240.214

 1, 37.549, 240.214

0, 37.549, 240.214

71, 37.549,
240.214

71, 37.549,
240.214

69, 40.329,
243.899

73, 34.133,
237.208

67, 42.599,
248.286

76, 30.043,
234.803

65, 44.258,
252.234

79, 25.300,
232.905

82, 19.967,
231.424

85, 14.125,
230.280

88, 7.864, 229.419

■ 91, 1.266, 229.115

■ 95, 5.593, 48.029

■ 97, 7.143, 75.331

Harmonies

Complementary

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



71, 37.549, 240.214



61, 64.077, 46.912

Rectangle

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



71, 37.549, 240.214



71, 37.549, 290.214



71, 37.549, 60.214



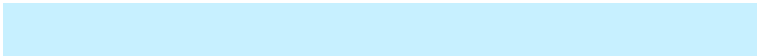
71, 37.549, 110.214

Sweetspot

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



71, 37.548, 240.214



92, 15.321, 230.304



82, 82.117, 144.996



48, 10.214, 230.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 37.548, 240.214



74, 44.455, 245.820



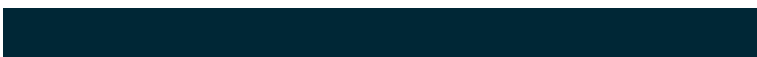
48, 74.798, 293.107



47, 3.817, 229.255



51, 36.506, 251.363



14, 14.919, 243.112

Inverse Universe

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



57, 79.187, 339.296



58, 92.124, 341.183



80, 66.191, 89.174



46, 6.975, 333.923



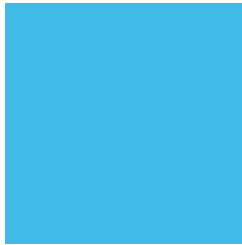
40, 72.543, 343.100



8, 31.943, 340.367

Previews

White Background



This preview shows how the CIELCh color 71, 37.549, 240.214 looks on a white background.

Color Contrast Check

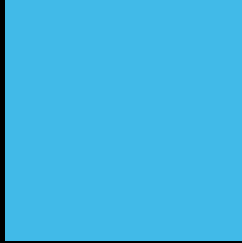
Large Text (above 18pt) WCAG AA × Fail

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 71, 37.549, 240.214 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 71, 37.549, 240.214

Background



This preview shows how black text looks on a background with the CIELCh color 71, 37.549, 240.214.

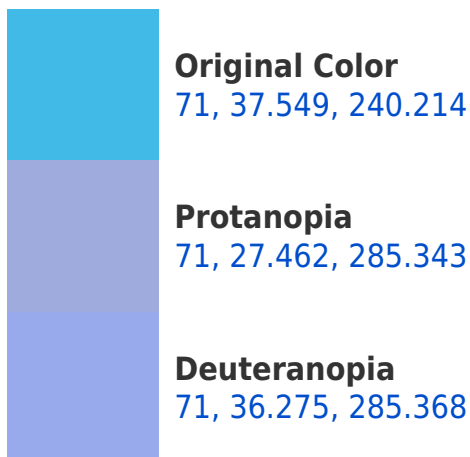


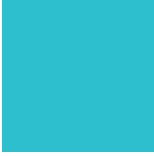
This preview shows how white text looks on a background with the CIELCh color 71, 37.549, 240.214.

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
71, 36.413, 210.004

Trichromacy



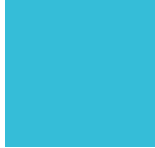
Original Color
71, 37.549, 240.214



Protanomaly
70, 29.705, 261.625



Deuteranomaly
70, 35.148, 266.506



Tritanomaly
71, 35.814, 221.759

Monochromacy



Original Color
71, 37.549, 240.214



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.154, 231.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 37.549, 240.214 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(65, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(65, 186, 232)  
}
```

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(65, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 186, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 37.549, 240.214 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(65, 186, 232) }
```

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

```
.border{ border-color:rgb(65, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(65, 186,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 37.549, 240.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 186, 232) }
```

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

```
.background{ background-color: rgb(65, 186,  
232) }
```

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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