

Converting Colors

CIELCh(71, 40.333, 247.871)

Have a look what the booklet for
CIELCh(71, 40.333, 247.871)
contains.

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Color

CIELCh(71, 40.333, 247.871)

Conversions

Conversions Part 1

Format	Color
Hex	41B9F1
RGB	65, 185, 241
RGB Percent	25%, 73%, 95%
CMY	0.7449, 0.2744, 0.0548
CMYK	0.73, 0.23, 0.00, 0.05
HSL	199°, 86%, 60%
HSV	199°, 73%, 95%
XYZ	35.4190, 42.1875, 89.5189
YIQ	155.5040, -89.4960, -8.0240

Conversions

Conversions Part 2

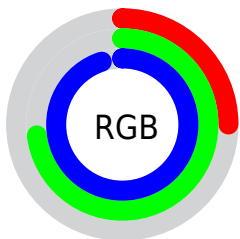
Format	Color
R _Y B	65, 136, 241
Decimal	4307441
CIE Lab	71.00, -15.19, -37.36
CIE LCh	71, 40.333, 247.871
Yxy	42.1875, 0.2119, 0.2524
Android (android.graphics.Color)	4282497521 (0xFF41B9F1)
YUV	155.5040, 42.1495, -79.3720
Hunter-Lab	64.9519, -16.3277, -36.2491

Details

The CIELCh color **71, 40.333, 247.871** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **64, 66.059, 50.179**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.861, 210.861**, and **52, 37.693, 253.557** is the 20% darker color. If you saturate the color by 10%, you get **68, 43.713, 252.006**, and if you desaturate by 10%, it is **74, 36.443, 244.423**.

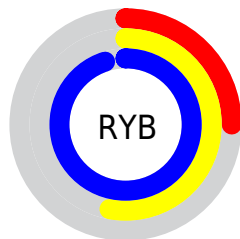
Distribution



Red (25%)

Green (73%)

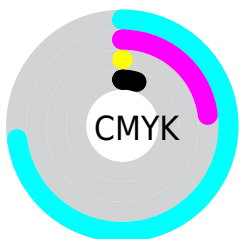
Blue (95%)



Red (25%)

Yellow (53%)

Blue (95%)

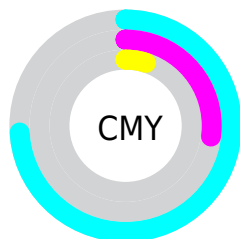


Cyan (73%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (74%)


Magenta (27%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.333, 247.871 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, 40.333, 247.871 by changing the saturation by 10% instead.


 71, 40.333,
247.871


 71, 40.333,
247.871


 100, 40.333,
247.871


 61, 40.333,
247.871


 91, 40.333,
247.871

 51, 40.333,
247.871

 41, 40.333,
247.871

 31, 40.333,
247.871

 21, 40.333,
247.871

 11, 40.333,
247.871

 1, 40.333, 247.871

■ 0, 40.333, 247.871

■ 71, 40.333,
247.871

■ 71, 40.333,
247.871

■ 68, 43.713,
252.006

■ 74, 36.443,
244.423

■ 66, 46.739,
256.799

■ 77, 31.975,
241.611

■ 64, 48.798,
260.379

■ 80, 26.927,
239.351

■ 83, 21.342,
237.551

■ 87, 15.289,
236.127

■ 90, 8.846, 235.017

■ 94, 2.090, 234.322

■ 98, 4.087, 61.249

■ 99, 6.604, 106.767

Harmonies

Complementary

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



71, 40.333, 247.871



64, 66.059, 50.179

Rectangle

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



71, 40.333, 247.871



71, 40.333, 297.871



71, 40.333, 67.871



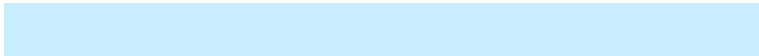
71, 40.333, 117.871

Sweetspot

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



71, 40.332, 247.871



92, 15.336, 236.010



85, 82.356, 146.541



48, 10.234, 236.356



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, 40.332, 247.871



71, 47.310, 254.449



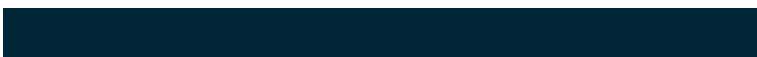
47, 83.986, 295.968



48, 3.874, 234.697



50, 39.416, 259.413



14, 16.073, 251.092

Inverse Universe

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



58, 80.125, 341.778



58, 90.165, 344.228



84, 71.258, 92.648



47, 6.886, 335.661



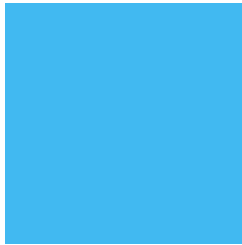
41, 71.318, 346.239



9, 32.028, 343.004

Previews

White Background



This preview shows how the CIELCh color 71, 40.333, 247.871 looks on a white background.

Color Contrast Check

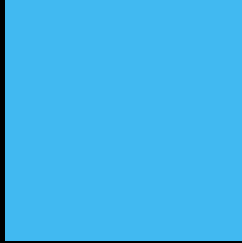
Large Text (above 18pt) WCAG AA × Fail

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, 40.333, 247.871 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

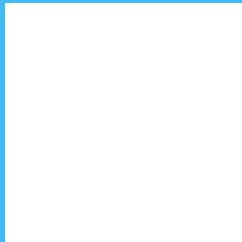
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 40.333, 247.871

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.333, 247.871.

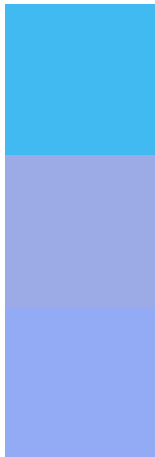


This preview shows how white text looks on a background with the CIELCh color 71, 40.333, 247.871.

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
71, 40.333, 247.871

Protanopia
71, 32.963, 285.671

Deuteranopia
71, 40.257, 283.394



Tritanopia
71, 37.342, 210.498

Trichromacy



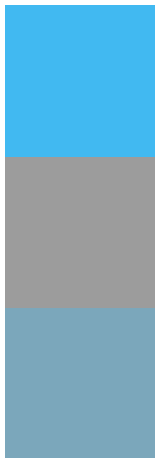
Original Color
71, 40.333, 247.871

Protanomaly
70, 34.887, 267.686

Deuteranomaly
70, 39.250, 268.988

Tritanomaly
71, 36.773, 223.945

Monochromacy



Original Color
71, 40.333, 247.871

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 17.943, 236.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.333, 247.871 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, 185, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 185, 241)  
}
```

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, 185, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 185, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.333, 247.871 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, 185, 241) }
```

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

```
.border{ border-color:rgb(65, 185, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 185, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 185, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 185, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 185,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.333, 247.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 185, 241) }
```

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

```
.background{ background-color: rgb(65, 185,  
241) }
```

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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