

Converting Colors

CIELCh(71, 42.612, 252.851)

Have a look what the booklet for
CIELCh(71, 42.612, 252.851)
contains.

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Color

CIELCh(71, 42.523, 252.833)

Conversions

Conversions Part 1

Format	Color
Hex	42B8F7
RGB	66, 184, 247
RGB Percent	26%, 72%, 97%
CMY	0.7407, 0.2782, 0.0311
CMYK	0.73, 0.26, 0.00, 0.03
HSL	201°, 92%, 61%
HSV	201°, 73%, 97%
XYZ	36.2050, 42.1875, 94.2831
YIQ	155.9000, -90.5510, -5.4230

Conversions

Conversions Part 2

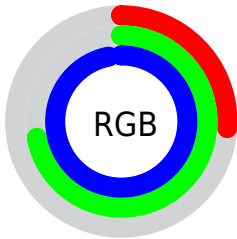
Format	Color
R _{YB}	66, 137, 247
Decimal	4372727
CIE Lab	71.00, -12.55, -40.63
CIE LCh	71, 42.523, 252.833
Yxy	42.1875, 0.2097, 0.2443
Android (android.graphics.Color)	4282562807 (0xFF42B8F7)
YUV	155.9000, 44.9123, -78.8423
Hunter-Lab	64.9519, -14.1676, -40.5980

Details

The CIELCh color **71, 42.523, 252.833** 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 **66, 66.871, 52.570**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.228, 212.187**, and **52, 39.963, 258.165** is the 20% darker color. If you saturate the color by 10%, you get **68, 46.448, 257.148**, and if you desaturate by 10%, it is **74, 38.180, 249.184**.

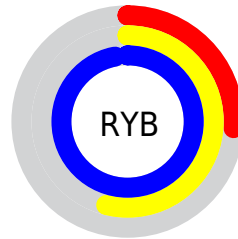
Distribution



Red (26%)

Green (72%)

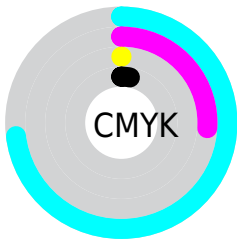
Blue (97%)



Red (26%)

Yellow (54%)

Blue (97%)

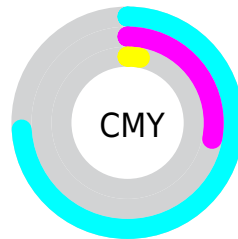


Cyan (73%)

Magenta (26%)

Yellow (0%)

Black (3%)



Cyan (74%)

Magenta (28%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.523, 252.833 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, 42.523, 252.833 by changing the saturation by 10% instead.


 71, 42.523,
252.833


 71, 42.523,
252.833


 100, 42.523,
252.833


 61, 42.523,
252.833


 91, 42.523,
252.833

 51, 42.523,
252.833

 41, 42.523,
252.833

 31, 42.523,
252.833

 21, 42.523,
252.833

 11, 42.523,
252.833

 1, 42.523, 252.833

■ 0, 42.523, 252.833

■ 71, 42.523,
252.833

■ 71, 42.523,
252.833

■ 68, 46.448,
257.148

■ 74, 38.180,
249.184

■ 65, 50.121,
262.067

■ 77, 33.337,
246.172

■ 64, 52.602,
265.564

■ 81, 27.975,
243.722

■ 85, 22.127,
241.749

■ 88, 15.852,
240.168

■ 92, 9.220, 238.915

■ 96, 2.300, 238.067

■ 99, 3.027, 95.602

■ 100, 4.012,
109.859

Harmonies

Complementary

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



71, 42.523, 252.833



66, 66.871, 52.570

Rectangle

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



71, 42.523, 252.833



71, 42.523, 302.833



71, 42.523, 72.833



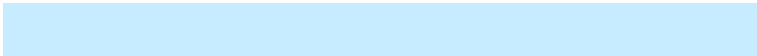
71, 42.523, 122.833

Sweetspot

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



71, 42.522, 252.834



91, 15.435, 240.001



87, 83.075, 147.106



48, 10.308, 240.385



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, 42.522, 252.834



69, 49.438, 259.494



47, 87.881, 296.813



49, 3.955, 238.525



49, 42.043, 264.575



14, 17.249, 256.545

Inverse Universe

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



59, 80.388, 343.568



57, 88.588, 346.280



87, 73.661, 93.766



48, 6.859, 336.950



41, 70.794, 348.602



9, 32.351, 345.055

Previews

White Background



This preview shows how the CIE LCh color 71, 42.523, 252.833 looks on a white background.

Color Contrast Check

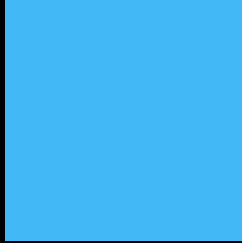
Large Text (above 18pt) WCAG AA × Fail

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, 42.523, 252.833 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

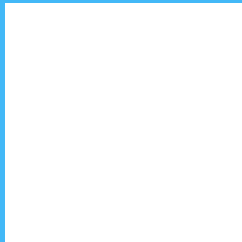
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 42.523, 252.833

Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.523, 252.833.

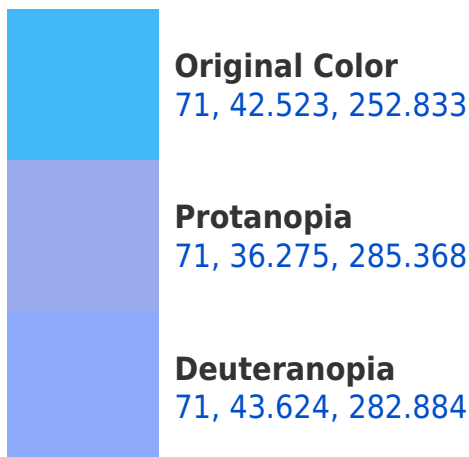


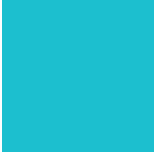
This preview shows how white text looks on a background with the CIELCh color 71, 42.523, 252.833.

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, 37.812, 210.294

Trichromacy



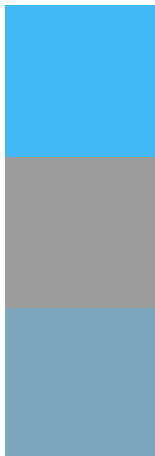
Original Color
71, 42.523, 252.833

Protanomaly
70, 37.911, 269.802

Deuteranomaly
71, 42.334, 270.639

Tritanomaly
71, 37.441, 227.350

Monochromacy



Original Color
71, 42.523, 252.833

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 18.646, 241.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 42.523, 252.833 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(66, 184, 247)` looks like.

```
.text, #text, p{  
    color:rgb(66, 184, 247)  
}
```

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(66, 184, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 184, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 42.523, 252.833 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(66, 184, 247) }
```

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

```
.border{ border-color:rgb(66, 184, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 184, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 184, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 184, 247);  
box-shadow:4px 4px 4px 4px rgb(66, 184,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 42.523, 252.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 184, 247) }
```

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

```
.background{ background-color: rgb(66, 184,  
247) }
```

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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