

Converting Colors

CIELCh(71, 37.622, 273.346)

Have a look what the booklet for
CIELCh(71, 37.622, 273.346)
contains.

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Color

CIELCh(71, 37.653, 273.392)

Conversions

Conversions Part 1

Format	Color
Hex	83B0F2
RGB	131, 176, 242
RGB Percent	51%, 69%, 95%
CMY	0.4870, 0.3105, 0.0517
CMYK	0.46, 0.27, 0.00, 0.05
HSL	216°, 81%, 73%
HSV	216°, 46%, 95%
XYZ	40.8169, 42.1875, 89.8418
YIQ	170.0690, -48.0060, 10.9860

Conversions

Conversions Part 2

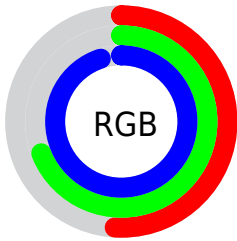
Format	Color
R_{YB}	131, 163, 242
Decimal	8630514
CIE _{Lab}	71.00, 2.23, -37.59
CIE _{LCh}	71, 37.653, 273.392
Yxy	42.1875, 0.2361, 0.2441
Android (android.graphics.Color)	4286820594 (0xFF83B0F2)
YUV	170.0690, 35.4620, -34.2635
Hunter-Lab	64.9519, -1.4935, -36.5439

Details

The CIELCh color **71, 37.653, 273.392** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **82, 39.817, 78.732**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 18.323, 241.962**, and **51, 37.737, 273.468** is the 20% darker color. If you saturate the color by 10%, you get **66, 45.985, 276.211**, and if you desaturate by 10%, it is **76, 29.379, 270.980**.

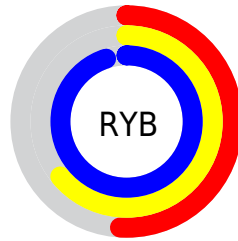
Distribution



Red (51%)

Green (69%)

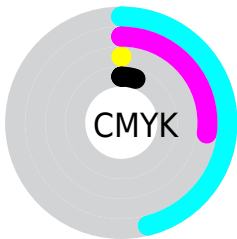
Blue (95%)



Red (51%)

Yellow (64%)

Blue (95%)

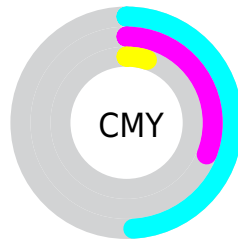


Cyan (46%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (49%)


Magenta (31%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 37.653, 273.392 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, 37.653, 273.392 by changing the saturation by 10% instead.


 71, 37.653,
273.392


 71, 37.653,
273.392


 100, 37.653,
273.392


 61, 37.653,
273.392


 91, 37.653,
273.392

 51, 37.653,
273.392

 41, 37.653,
273.392

 31, 37.653,
273.392

 21, 37.653,
273.392

 11, 37.653,
273.392

 1, 37.653, 273.392

0, 37.653, 273.392

71, 37.653,
273.392

71, 37.653,
273.392

66, 45.985,
276.211

76, 29.379,
270.980

61, 54.420,
279.457

82, 21.146,
268.931

56, 63.020,
283.108

87, 12.950,
267.197

52, 71.840,
287.065

92, 4.797, 265.755

47, 80.876,
291.142

98, 3.302, 84.311

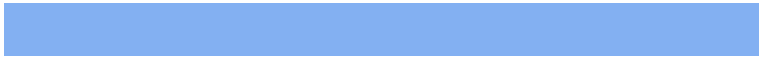
46, 84.628,
292.734

100, 6.678,
109.667

Harmonies

Complementary

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



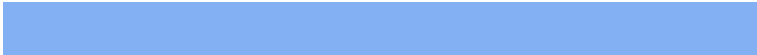
71, 37.653, 273.392



82, 39.817, 78.732

Rectangle

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



71, 37.653, 273.392



71, 37.653, 323.392



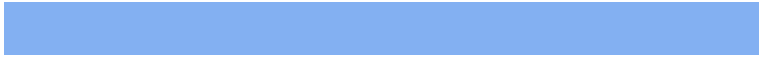
71, 37.653, 93.392



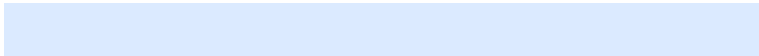
71, 37.653, 143.392

Sweetspot

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



71, 37.652, 273.392



92, 11.897, 266.905



88, 44.166, 163.485



48, 8.218, 267.245



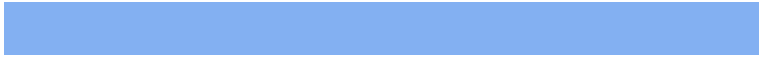
0, 0.000, 0.000



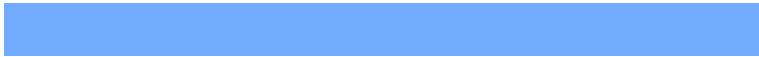
53, 0.007, 296.813

Same Dimension

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



71, 37.652, 273.392



70, 47.222, 275.985



60, 62.655, 298.977



47, 4.588, 266.232



35, 67.577, 292.008



8, 25.215, 285.199

Inverse Universe

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



68, 47.721, 354.521



67, 59.063, 356.233



93, 55.425, 109.632



47, 5.710, 349.889



39, 66.201, 11.110



8, 28.857, 3.038

Previews

White Background



This preview shows how the CIELCh color 71, 37.653, 273.392 looks on a white background.

Color Contrast Check

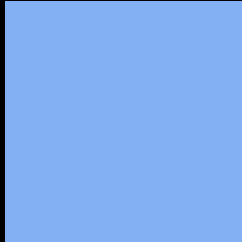
Large Text (above 18pt) WCAG AA × Fail

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, 37.653, 273.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

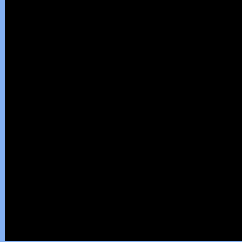
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

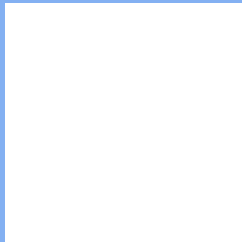
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 37.653, 273.392

Background



This preview shows how black text looks on a background with the CIELCh color 71, 37.653, 273.392.

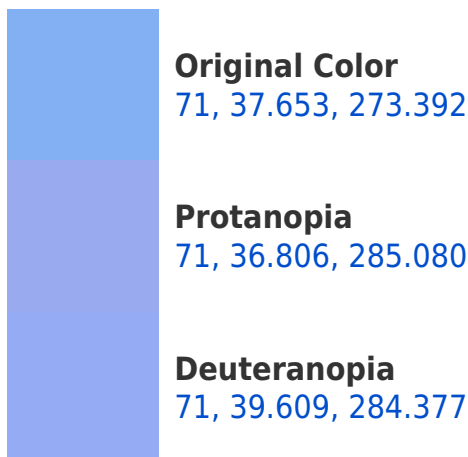


This preview shows how white text looks on a background with the CIELCh color 71, 37.653, 273.392.

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, 22.224, 219.728

Trichromacy



Original Color
71, 37.653, 273.392

Protanomaly
71, 36.647, 280.355

Deuteranomaly
71, 38.889, 280.227

Tritanomaly
71, 25.107, 246.556

Monochromacy



Original Color
71, 37.653, 273.392

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 14.113, 268.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 37.653, 273.392 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(131, 176, 242)` looks like.

```
.text, #text, p{  
    color:rgb(131, 176, 242)  
}
```

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(131, 176, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 176, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 37.653, 273.392 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(131, 176, 242) }
```

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

```
.border{ border-color:rgb(131, 176, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 176, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 176, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 176, 242);  
box-shadow:4px 4px 4px 4px rgb(131, 176,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 37.653, 273.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 176, 242) }
```

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

```
.background{ background-color: rgb(131,  
176, 242) }
```

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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