

Converting Colors

CIELCh(72, 42.448, 267.502)

Have a look what the booklet for
CIELCh(72, 42.448, 267.502)
contains.

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Color

CIELCh(72, 42.344, 267.698)

Conversions

Conversions Part 1

Format	Color
Hex	6FB5FD
RGB	111, 181, 253
RGB Percent	44%, 71%, 99%
CMY	0.5635, 0.2892, 0.0068
CMYK	0.56, 0.28, 0.00, 0.01
HSL	210°, 98%, 71%
HSV	210°, 56%, 99%
XYZ	40.9409, 43.6590, 99.4268
YIQ	168.2780, -64.8320, 7.5520

Conversions

Conversions Part 2

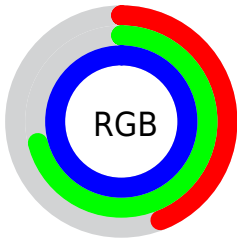
Format	Color
RYB	111, 158, 253
Decimal	7321085
CIELab	72.00, -1.70, -42.31
CIELCh	72, 42.344, 267.698
Yxy	43.6590, 0.2225, 0.2372
Android (android.graphics.Color)	4285511165 (0xFF6FB5FD)
YUV	168.2780, 41.7679, -50.2328
Hunter-Lab	66.0750, -5.0304, -42.9646

Details

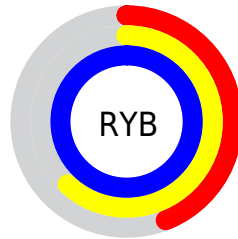
The CIELCh color **72, 42.344, 267.698** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80, 49.527, 68.998**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 22.413, 223.062**, and **52, 42.551, 268.118** is the 20% darker color. If you saturate the color by 10%, you get **67, 49.522, 271.126**, and if you desaturate by 10%, it is **77, 35.065, 264.767**.

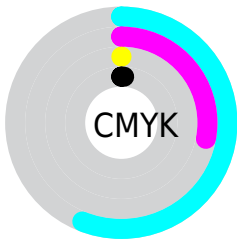
Distribution



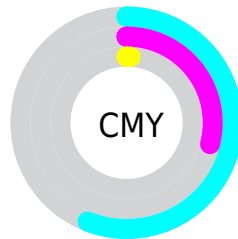
- Red (44%)
- Green (71%)
- Blue (99%)



- Red (44%)
- Yellow (62%)
- Blue (99%)



- Cyan (56%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)



- Cyan (56%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.344, 267.698 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 72, 42.344, 267.698 by changing the saturation by 10% instead.


 72, 42.344,
267.698


 72, 42.344,
267.698


 100, 42.344,
267.698


 62, 42.344,
267.698

 92, 42.344,
267.698

 52, 42.344,
267.698

 42, 42.344,
267.698

 32, 42.344,
267.698

 22, 42.344,
267.698

 12, 42.344,
267.698

 2, 42.344, 267.698

■ 0, 42.344, 267.698

■ 72, 42.344,
267.698

■ 72, 42.344,
267.698

■ 67, 49.522,
271.126

■ 77, 35.065,
264.767

■ 63, 56.673,
275.046

■ 82, 27.656,
262.292

■ 59, 63.905,
279.380

■ 86, 20.116,
260.216

■ 55, 71.329,
283.952

■ 91, 12.463,
258.481

■ 54, 74.339,
285.705

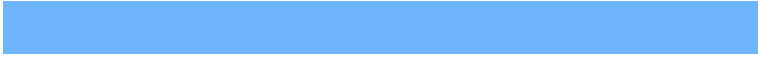
■ 96, 4.725, 257.067

100, 0.863,
110.024

Harmonies

Complementary

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



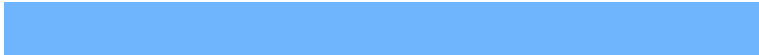
72, 42.344, 267.698



80, 49.527, 68.998

Rectangle

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



72, 42.344, 267.698



72, 42.344, 317.698



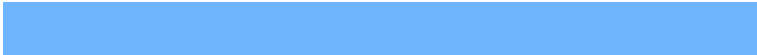
72, 42.344, 87.698



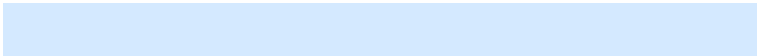
72, 42.344, 137.698

Sweetspot

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



72, 42.343, 267.698



91, 13.261, 258.632



90, 58.847, 157.405



48, 8.861, 258.962



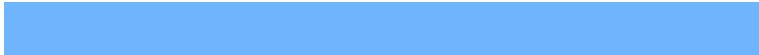
0, 0.000, 0.000



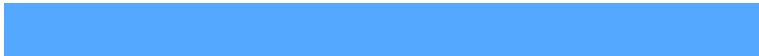
53, 0.007, 296.813

Same Dimension

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



72, 42.343, 267.698



67, 50.471, 271.484



54, 81.109, 298.880



51, 4.451, 257.513



41, 59.161, 284.890



12, 24.045, 278.393

Inverse Universe

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



66, 61.971, 350.551



62, 71.829, 352.710



97, 68.756, 104.892



50, 6.352, 344.805



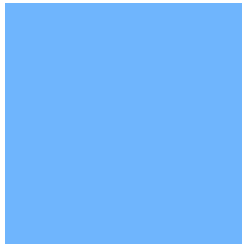
41, 68.176, 2.805



10, 31.802, 357.093

Previews

White Background



This preview shows how the CIELCh color 72, 42.344, 267.698 looks on a white background.

Color Contrast Check

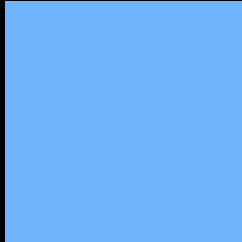
Large Text (above 18pt) WCAG AA × Fail

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 72, 42.344, 267.698 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

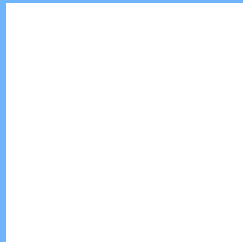
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.344, 267.698

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.344, 267.698.

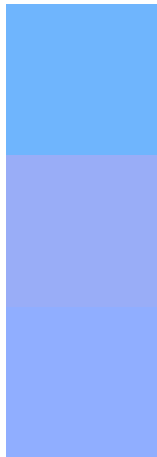


This preview shows how white text looks on a background with the CIELCh color 72, 42.344, 267.698.

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

72, 42.344, 267.698

Protanopia

72, 40.520, 285.507

Deuteranopia

72, 44.545, 283.202



Tritanopia
72, 29.262, 214.912

Trichromacy



Original Color
72, 42.344, 267.698

Protanomaly
72, 40.714, 278.335

Deuteranomaly
72, 43.122, 277.126

Tritanomaly
72, 30.630, 238.160

Monochromacy



Original Color
72, 42.344, 267.698

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 16.772, 261.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.344, 267.698 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(111, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(111, 181, 253)  
}
```

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(111, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 181, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.344, 267.698 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(111, 181, 253) }
```

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

```
.border{ border-color:rgb(111, 181, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 181, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(111, 181,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.344, 267.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 181, 253) }
```

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

```
.background{ background-color: rgb(111,  
181, 253) }
```

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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