

Converting Colors

CIELCh(72, 42.820, 264.281)

Have a look what the booklet for
CIELCh(72, 42.820, 264.281)
contains.

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Color

CIELCh(72, 42.823, 264.100)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 65B7FE |
| RGB | 101, 183, 254 |
| RGB Percent | 40%, 72%, 100% |
| CMY | 0.6050, 0.2833, 0.0049 |
| CMYK | 0.60, 0.28, 0.00, 0.00 |
| HSL | 208°, 98%, 70% |
| HSV | 208°, 60%, 100% |
| XYZ | 40.0686, 43.6590, 99.8676 |
| YIQ | 166.5760, -71.6630, 4.6970 |

Conversions

Conversions Part 2

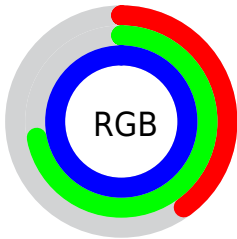
| Format | Color |
|-------------------------------------|---|
| RYB | 101, 154, 254 |
| Decimal | 6666238 |
| CIELab | 72.00, -4.40, -42.60 |
| CIELCh | 72, 42.823, 264.100 |
| Yxy | 43.6590, 0.2182, 0.2378 |
| Android (android.graphics.Color) | 4284856318 (0xFF65B7FE) |
| YUV | 166.5760, 43.1000, -57.5102 |
| Hunter-Lab | 66.0750, -7.3868, -43.3601 |

Details

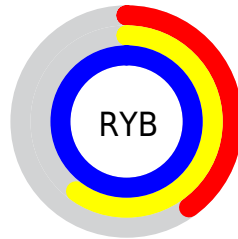
The CIELCh color **72, 42.823, 264.100** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77, 53.502, 64.245**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 24.667, 217.867**, and **52, 42.977, 264.411** is the 20% darker color. If you saturate the color by 10%, you get **68, 49.206, 267.790**, and if you desaturate by 10%, it is **76, 36.248, 260.952**.

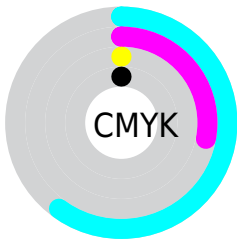
Distribution



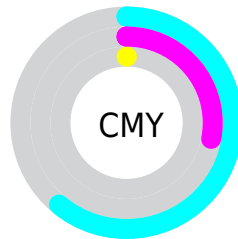
- Red (40%)
- Green (72%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (28%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.823, 264.100 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, 42.823, 264.100 by changing the saturation by 10% instead.


 72, 42.823,
264.100


 72, 42.823,
264.100


 100, 42.823,
264.100


 62, 42.823,
264.100


 92, 42.823,
264.100

 52, 42.823,
264.100

 42, 42.823,
264.100

 32, 42.823,
264.100

 22, 42.823,
264.100

 12, 42.823,
264.100

 2, 42.823, 264.100

0, 42.823, 264.100

72, 42.823,
264.100

72, 42.823,
264.100

68, 49.206,
267.790

76, 36.248,
260.952

64, 55.490,
272.006

81, 29.444,
258.309

60, 61.809,
276.644

85, 22.411,
256.107

57, 68.124,
281.282

90, 15.174,
254.281

95, 7.770, 252.781

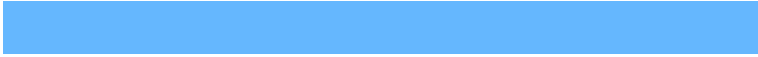
99, 0.239, 253.424

100, 0.624,

Harmonies

Complementary

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



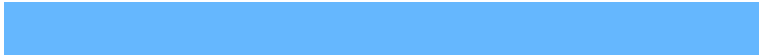
72, 42.823, 264.100



77, 53.502, 64.245

Rectangle

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



72, 42.823, 264.100



72, 42.823, 314.100



72, 42.823, 84.100



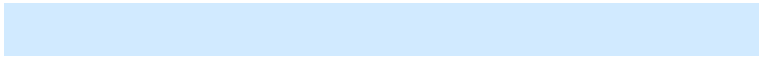
72, 42.823, 134.100

Sweetspot

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



72, 42.822, 264.100



91, 13.536, 253.909



90, 65.575, 154.274



47, 9.380, 254.383



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, 42.822, 264.100



67, 50.476, 268.477



53, 83.329, 298.102



51, 4.307, 252.675



43, 54.189, 280.411



13, 22.238, 273.584

Inverse Universe

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



65, 67.383, 348.526



61, 76.782, 350.812



95, 70.363, 102.077



50, 6.541, 342.487



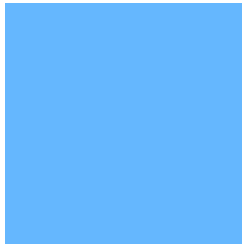
41, 68.772, 358.713



11, 32.256, 353.684

Previews

White Background



This preview shows how the CIE LCh color 72, 42.823, 264.100 looks on a white background.

Color Contrast Check

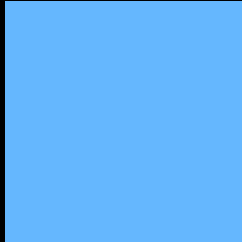
Large Text (above 18pt) WCAG AA × Fail

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, 42.823, 264.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

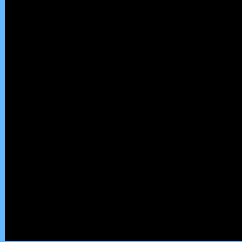
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

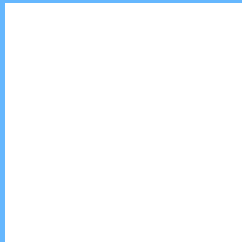
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.823, 264.100

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.823, 264.100.



This preview shows how white text looks on a background with the CIELCh color 72, 42.823, 264.100.

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](#).

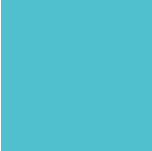
Dichromacy



Original Color
72, 42.823, 264.100

Protanopia
72, 39.989, 285.322

Deuteranopia
72, 44.586, 282.867



Tritanopia
72, 32.030, 212.119

Trichromacy



Original Color
72, 42.823, 264.100

Protanomaly
72, 40.477, 276.213

Deuteranomaly
72, 43.867, 276.194

Tritanomaly
72, 32.573, 233.903

Monochromacy



Original Color
72, 42.823, 264.100

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 17.154, 255.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.823, 264.100 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(101, 183, 254)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 254)  
}
```

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(101, 183, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.823, 264.100 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(101, 183, 254) }
```

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

```
.border{ border-color:rgb(101, 183, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 183, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 254);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.823, 264.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 254) }
```

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

```
.background{ background-color: rgb(101,  
183, 254) }
```

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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