

Converting Colors

CIELCh(72, 42.796, 275.450)

Have a look what the booklet for
CIELCh(72, 42.796, 275.450)
contains.

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Color

CIELCh(72, 42.831, 275.500)

Conversions

Conversions Part 1

Format	Color
Hex	81B2FE
RGB	129, 178, 254
RGB Percent	51%, 70%, 100%
CMY	0.4941, 0.3020, 0.0040
CMYK	0.49, 0.30, 0.00, 0.00
HSL	216°, 98%, 75%
HSV	216°, 49%, 100%
XYZ	42.8585, 43.6590, 99.9257
YIQ	172.0130, -53.6000, 13.2480

Conversions

Conversions Part 2

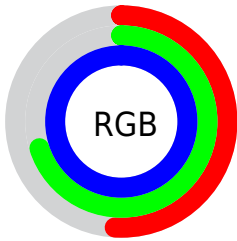
Format	Color
R _Y B	129, 164, 254
Decimal	8499966
CIE Lab	72.00, 4.11, -42.63
CIE LCh	72, 42.831, 275.500
Yxy	43.6590, 0.2299, 0.2342
Android (android.graphics.Color)	4286690046 (0xFF81B2FE)
YUV	172.0130, 40.4196, -37.7224
Hunter-Lab	66.0750, 0.1501, -43.4122

Details

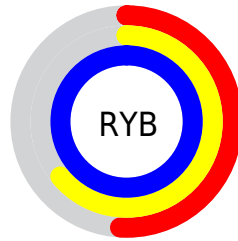
The CIELCh color **72, 42.831, 275.500** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **85, 44.945, 79.462**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 18.386, 237.343**, and **52, 42.721, 275.238** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.768, 278.449**, and if you desaturate by 10%, it is **78, 33.996, 272.964**.

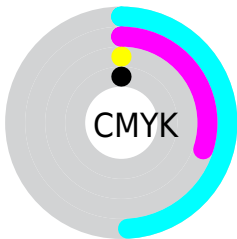
Distribution



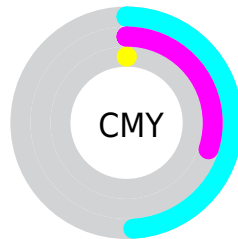
- Red (51%)
- Green (70%)
- Blue (100%)



- Red (51%)
- Yellow (64%)
- Blue (100%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.831, 275.500 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, 42.831, 275.500 by changing the saturation by 10% instead.

 72, 42.831,
275.500


 72, 42.831,
275.500


 100, 42.831,
275.500

 62, 42.831,
275.500


 92, 42.831,
275.500

 52, 42.831,
275.500

 42, 42.831,
275.500

 32, 42.831,
275.500

 22, 42.831,
275.500

 12, 42.831,
275.500

 2, 42.831, 275.500

■ 0, 42.831, 275.500

■ 72, 42.831,
275.500

■ 72, 42.831,
275.500

■ 67, 51.768,
278.449

■ 78, 33.996,
272.964

■ 61, 60.863,
281.817

■ 83, 25.236,
270.803

■ 56, 70.175,
285.552

■ 89, 16.538,
268.970

■ 52, 79.733,
289.524

■ 94, 7.903, 267.426

■ 48, 89.467,
293.478

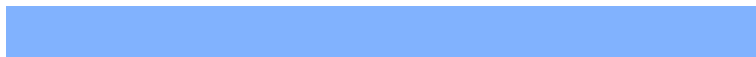
100, 0.500,
109.986

■ 47, 90.239,
293.769

Harmonies

Complementary

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



72, 42.831, 275.500



85, 44.945, 79.462

Rectangle

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



72, 42.831, 275.500



72, 42.831, 325.500



72, 42.831, 95.500



72, 42.831, 145.500

Sweetspot

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



72, 42.830, 275.500



91, 12.935, 268.286



92, 48.200, 164.004



48, 8.831, 268.623



0, 0.000, 0.000



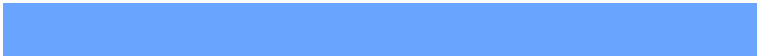
53, 0.007, 296.813

Same Dimension

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



72, 42.830, 275.500



67, 51.744, 278.386



60, 70.368, 299.985



50, 4.894, 267.468



36, 71.581, 293.071



9, 28.743, 287.422

Inverse Universe

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



69, 52.816, 356.047



65, 62.577, 358.059



97, 61.560, 110.147



50, 5.959, 350.735



41, 68.433, 12.587



10, 31.290, 5.472

Previews

White Background



This preview shows how the CIELCh color 72, 42.831, 275.500 looks on a white background.

Color Contrast Check

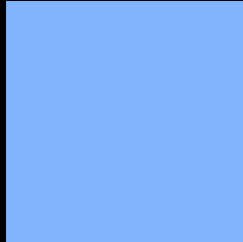
Large Text (above 18pt) WCAG AA × Fail

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, 42.831, 275.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

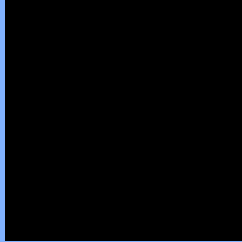
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

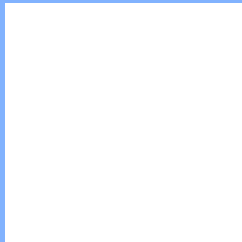
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.831, 275.500

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.831, 275.500.



This preview shows how white text looks on a background with the CIELCh color 72, 42.831, 275.500.

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](#).

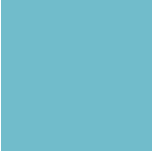
Dichromacy



Original Color
72, 42.831, 275.500

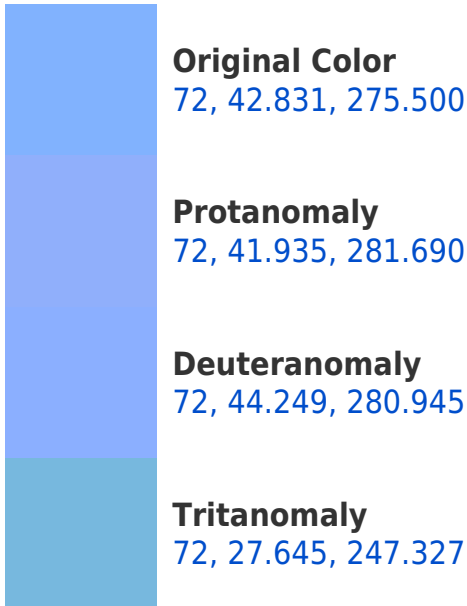
Protanopia
72, 42.146, 285.662

Deuteranopia
72, 44.545, 283.202

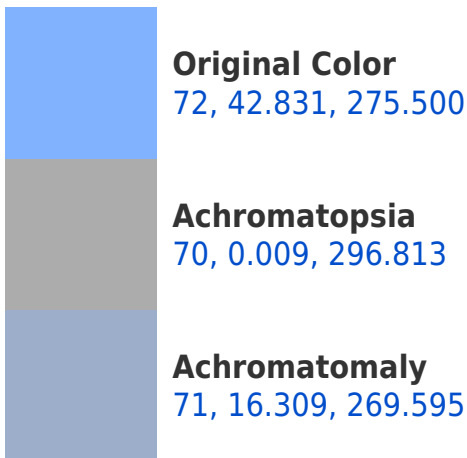


Tritanopia
72, 24.399, 217.491

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.831, 275.500 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(129, 178, 254)` looks like.

```
.text, #text, p{  
    color:rgb(129, 178, 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(129, 178, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 178, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.831, 275.500 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(129, 178, 254) }
```

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

```
.border{ border-color:rgb(129, 178, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 178, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 178, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 178, 254);  
box-shadow:4px 4px 4px 4px rgb(129, 178,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.831, 275.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 178, 254) }
```

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

```
.background{ background-color: rgb(129,  
178, 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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