

Converting Colors

CIELCh(72, 42.669, 276.082)

Have a look what the booklet for
CIELCh(72, 42.669, 276.082)
contains.

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Color

CIELCh(72, 42.705, 276.130)

Conversions

Conversions Part 1

Format	Color
Hex	83B2FE
RGB	131, 178, 254
RGB Percent	51%, 70%, 100%
CMY	0.4875, 0.3031, 0.0052
CMYK	0.48, 0.30, 0.00, 0.01
HSL	217°, 98%, 75%
HSV	217°, 48%, 99%
XYZ	43.0113, 43.6590, 99.6591
YIQ	172.6110, -52.4080, 13.6720

Conversions

Conversions Part 2

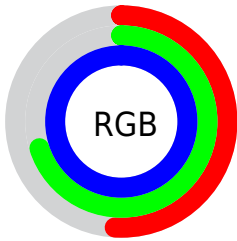
Format	Color
R _Y B	131, 165, 254
Decimal	8631038
CIE Lab	72.00, 4.56, -42.46
CIE LCh	72, 42.705, 276.130
Yxy	43.6590, 0.2308, 0.2343
Android (android.graphics.Color)	4286821118 (0xFF83B2FE)
YUV	172.6110, 40.1248, -36.4928
Hunter-Lab	66.0750, 0.5629, -43.1730

Details

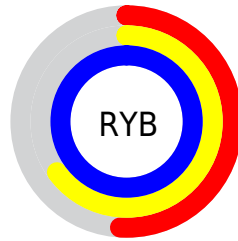
The CIELCh color $72, 42.705, 276.130$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $86, 44.455, 80.435$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 17.922, 238.561$, and $52, 42.567, 275.980$ is the 20% darker color. If you saturate the color by 10%, you get $67, 51.793, 279.030$, and if you desaturate by 10%, it is $78, 33.737, 273.636$.

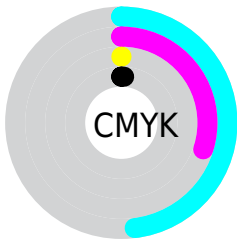
Distribution



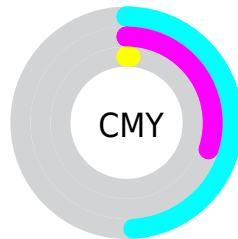
- Red (51%)
- Green (70%)
- Blue (100%)



- Red (51%)
- Yellow (65%)
- Blue (100%)



- Cyan (48%)
- Magenta (30%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (30%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.705, 276.130 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, 42.705, 276.130 by changing the saturation by 10% instead.


 72, 42.705,
276.130


 72, 42.705,
276.130


 100, 42.705,
276.130


 62, 42.705,
276.130


 92, 42.705,
276.130

 52, 42.705,
276.130

 42, 42.705,
276.130

 32, 42.705,
276.130

 22, 42.705,
276.130

 12, 42.705,
276.130

 2, 42.705, 276.130

■ 0, 42.705, 276.130

■ 72, 42.705,
276.130

■ 72, 42.705,
276.130

■ 67, 51.793,
279.030

■ 78, 33.737,
273.636

■ 61, 61.054,
282.343

■ 83, 24.861,
271.510

■ 56, 70.545,
286.021

■ 89, 16.063,
269.705

■ 51, 80.284,
289.935

■ 95, 7.343, 268.186

■ 47, 90.187,
293.851

100, 0.657,
110.011

■ 47, 91.695,
294.405

Harmonies

Complementary

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



72, 42.705, 276.130



86, 44.455, 80.435

Rectangle

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



72, 42.705, 276.130



72, 42.705, 326.130



72, 42.705, 96.130



72, 42.705, 146.130

Sweetspot

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



72, 42.704, 276.130



91, 13.071, 269.145



92, 46.846, 165.130



48, 8.926, 269.480



0, 0.000, 0.000



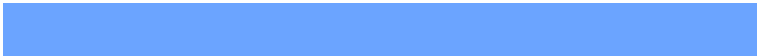
53, 0.007, 296.813

Same Dimension

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



72, 42.704, 276.130



67, 51.566, 278.885



61, 69.168, 300.316



50, 4.943, 268.328



35, 72.808, 293.721



9, 29.222, 288.156

Inverse Universe

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



70, 51.826, 356.584



65, 61.464, 358.534



96, 60.743, 110.966



50, 5.925, 351.346



41, 68.581, 13.527



10, 31.283, 6.301

Previews

White Background



This preview shows how the CIE LCh color 72, 42.705, 276.130 looks on a white background.

Color Contrast Check

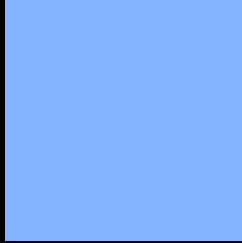
Large Text (above 18pt) WCAG AA × Fail

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, 42.705, 276.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

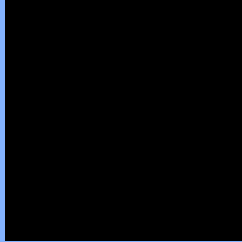
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

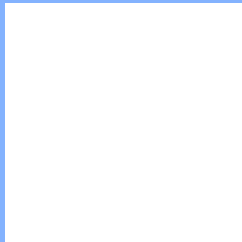
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.705, 276.130

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.705, 276.130.



This preview shows how white text looks on a background with the CIELCh color 72, 42.705, 276.130.

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, 42.705, 276.130

Protanopia

72, 42.146, 285.662

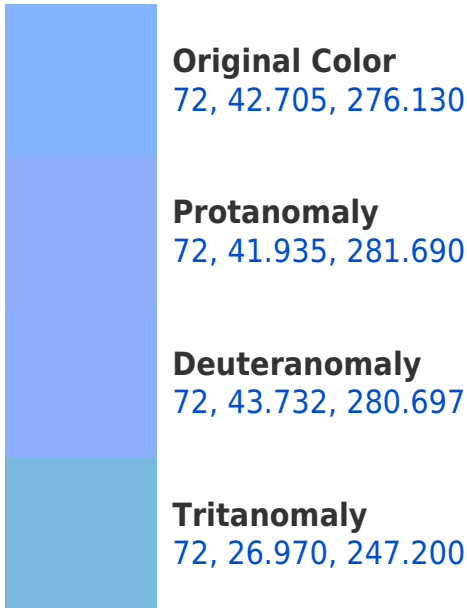
Deuteranopia

72, 44.021, 282.988

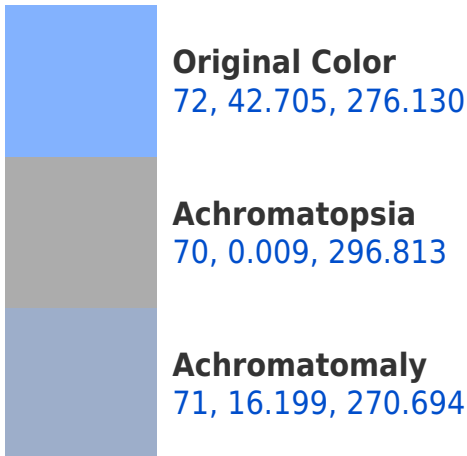


Tritanopia
72, 23.924, 217.930

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.705, 276.130 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, 178, 254)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 178, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 178, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.705, 276.130 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, 178, 254) }
```

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

```
.border{ border-color:rgb(131, 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(131, 178, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 178, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 178, 254);  
box-shadow:4px 4px 4px 4px rgb(131, 178,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.705, 276.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 178, 254) }
```

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

```
.background{ background-color: rgb(131,  
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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