

Converting Colors

CIELCh(80, 28.780, 271.986)

Have a look what the booklet for
CIELCh(80, 28.780, 271.986)
contains.

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Color

CIELCh(80, 29.046, 272.610)

Conversions

Conversions Part 1

Format	Color
Hex	A8C8FC
RGB	168, 200, 252
RGB Percent	66%, 78%, 99%
CMY	0.3410, 0.2156, 0.0116
CMYK	0.33, 0.21, 0.00, 0.01
HSL	217°, 93%, 82%
HSV	217°, 33%, 99%
XYZ	54.3921, 56.6813, 100.1961
YIQ	196.3600, -35.7640, 9.3880

Conversions

Conversions Part 2

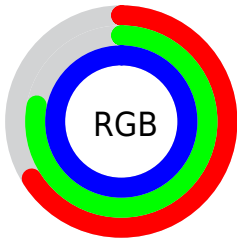
Format	Color
R_{YB}	168, 191, 252
Decimal	11061500
CIE Lab	80.00, 1.32, -29.02
CIE LCh	80, 29.046, 272.610
Yxy	56.6813, 0.2575, 0.2683
Android (android.graphics.Color)	4289251580 (0xFFA8C8FC)
YUV	196.3600, 27.4305, -24.8717
Hunter-Lab	75.2870, -2.7924, -26.2055

Details

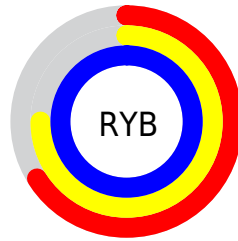
The CIELCh color **80, 29.046, 272.610** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **89, 29.896, 82.706**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.172, 198.828**, and **60, 29.047, 272.559** is the 20% darker color. If you saturate the color by 10%, you get **74, 37.934, 274.905**, and if you desaturate by 10%, it is **86, 20.240, 270.656**.

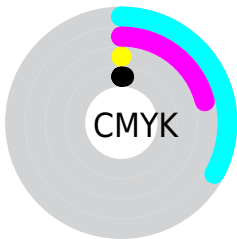
Distribution



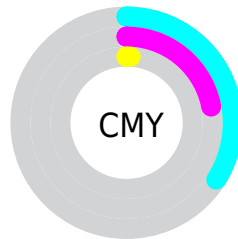
- Red (66%)
- Green (78%)
- Blue (99%)



- Red (66%)
- Yellow (75%)
- Blue (99%)



- Cyan (33%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (34%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 29.046, 272.610 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 80, 29.046, 272.610 by changing the saturation by 10% instead.

■ 80, 29.046,
272.610

■ 80, 29.046,
272.610

■ 100, 29.046,
272.610

■ 70, 29.046,
272.610

■ 60, 29.046,
272.610

■ 50, 29.046,
272.610

■ 40, 29.046,
272.610

■ 30, 29.046,
272.610

■ 20, 29.046,
272.610

■ 10, 29.046,

272.610

0, 29.046, 272.610

80, 29.046,
272.610

80, 29.046,
272.610

74, 37.934,
274.905

86, 20.240,
270.656

69, 46.929,
277.589

91, 11.513,
269.002

63, 56.070,
280.686

97, 2.868, 267.666

58, 65.413,
284.180

100, 1.493,
110.015

53, 75.004,
287.987

■ 49, 84.816,
291.934

■ 46, 91.420,
294.477

Harmonies

Complementary

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



80, 29.046, 272.610



89, 29.896, 82.706

Rectangle

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



80, 29.046, 272.610



80, 29.046, 322.610



80, 29.046, 92.610



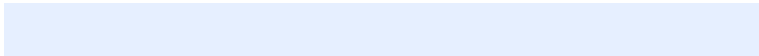
80, 29.046, 142.610

Sweetspot

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



80, 29.045, 272.609



94, 8.708, 268.515



93, 33.013, 167.088



49, 5.945, 268.717



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 29.045, 272.609



77, 35.299, 274.105



73, 45.904, 298.162



49, 4.869, 268.442



35, 72.179, 293.771



9, 28.295, 287.910

Inverse Universe

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



78, 35.422, 354.243



75, 43.027, 355.233



97, 42.320, 112.097



49, 5.823, 351.429



40, 67.911, 13.600



9, 30.460, 6.003

Previews

White Background



This preview shows how the CIELCh color 80, 29.046, 272.610 looks on a white background.

Color Contrast Check

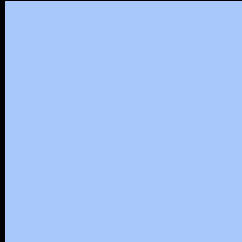
Large Text (above 18pt) WCAG AA × Fail

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 80, 29.046, 272.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

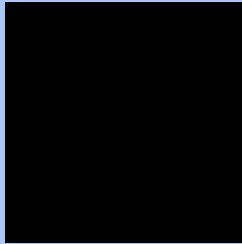
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

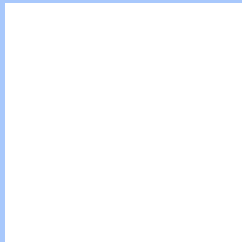
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 29.046, 272.610

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.046, 272.610.



This preview shows how white text looks on a background with the CIELCh color 80, 29.046, 272.610.

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](#).

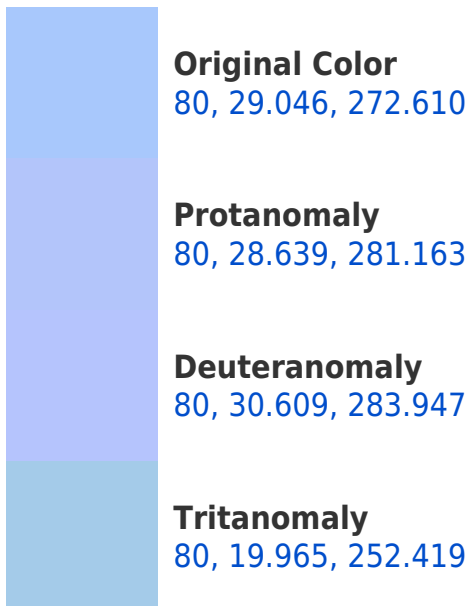
Dichromacy



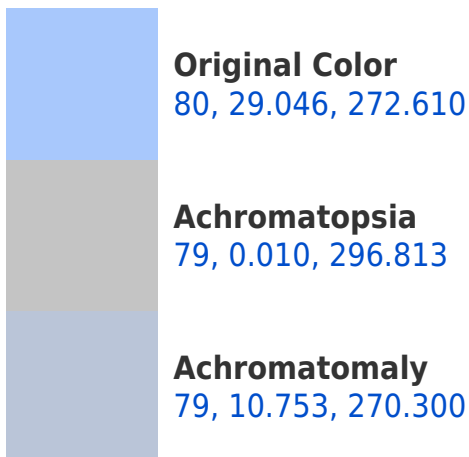


Tritanopia
80, 16.835, 231.289

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.046, 272.610 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(168, 200, 252)` looks like.

```
.text, #text, p{  
    color:rgb(168, 200, 252)  
}
```

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(168, 200, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 200, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.046, 272.610 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(168, 200, 252) }
```

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

```
.border{ border-color:rgb(168, 200, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 200, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 200, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 200, 252);  
box-shadow:4px 4px 4px 4px rgb(168, 200,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.046, 272.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 200, 252) }
```

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

```
.background{ background-color: rgb(168,  
200, 252) }
```

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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