

Converting Colors

CIELCh(78, 33.377, 273.019)

Have a look what the booklet for
CIELCh(78, 33.377, 273.019)
contains.

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Color

CIELCh(78, 33.108, 272.747)

Conversions

Conversions Part 1

Format	Color
Hex	9DC3FE
RGB	157, 195, 254
RGB Percent	62%, 76%, 100%
CMY	0.3852, 0.2362, 0.0049
CMYK	0.38, 0.23, 0.00, 0.00
HSL	216°, 98%, 80%
HSV	216°, 38%, 100%
XYZ	51.1729, 53.2120, 101.1351
YIQ	190.3640, -41.5870, 10.2930

Conversions

Conversions Part 2

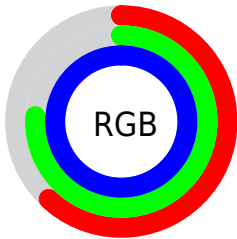
Format	Color
RYB	157, 184, 254
Decimal	10339326
CIELab	78.00, 1.59, -33.07
CIELCh	78, 33.108, 272.747
Yxy	53.2120, 0.2490, 0.2589
Android (android.graphics.Color)	4288529406 (0xFF9DC3FE)
YUV	190.3640, 31.3725, -29.2602
Hunter-Lab	72.9466, -2.4364, -31.1387

Details

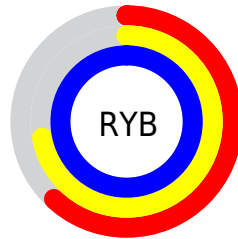
The CIELCh color **78, 33.108, 272.747** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **88, 34.430, 81.047**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 12.503, 208.163**, and **58, 32.814, 272.430** is the 20% darker color. If you saturate the color by 10%, you get **72, 41.928, 275.243**, and if you desaturate by 10%, it is **84, 24.358, 270.620**.

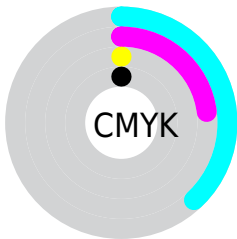
Distribution



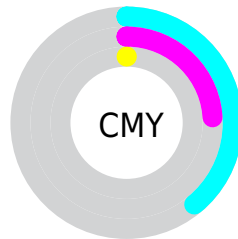
- Red (62%)
- Green (76%)
- Blue (100%)



- Red (62%)
- Yellow (72%)
- Blue (100%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.108, 272.747 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 78, 33.108, 272.747 by changing the saturation by 10% instead.


 78, 33.108,
272.747


 78, 33.108,
272.747


 100, 33.108,
272.747


 68, 33.108,
272.747


 98, 33.108,
272.747

 58, 33.108,
272.747

 48, 33.108,
272.747

 38, 33.108,
272.747

 28, 33.108,
272.747

 18, 33.108,
272.747

 8, 33.108, 272.747

■ 0, 33.108, 272.747

■ 78, 33.108,
272.747

■ 78, 33.108,
272.747

■ 72, 41.928,
275.243

■ 84, 24.358,
270.620

■ 67, 50.849,
278.150

■ 89, 15.670,
268.818

■ 62, 59.922,
281.476

■ 95, 7.046, 267.303

■ 57, 69.206,
285.179

100, 0.619,
110.007

■ 52, 78.737,
289.134

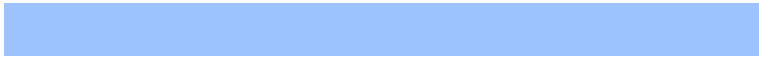
■ 48, 88.454,
293.114

■ 47, 90.195,
293.777

Harmonies

Complementary

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



78, 33.108, 272.747



88, 34.430, 81.047

Rectangle

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



78, 33.108, 272.747



78, 33.108, 322.747



78, 33.108, 92.747



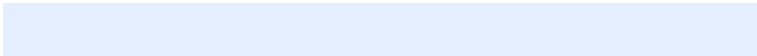
78, 33.108, 142.747

Sweetspot

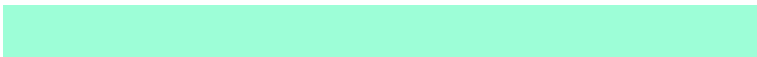
The Sweet Spot groups the original color and five complimentary colors.



78, 33.107, 272.746



94, 9.474, 267.695



93, 38.267, 165.469



49, 6.369, 267.895



0, 0.000, 0.000



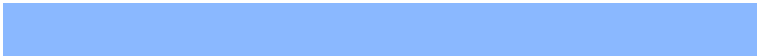
53, 0.007, 296.813

Same Dimension

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



78, 33.107, 272.746



74, 40.120, 274.658



69, 53.441, 298.306



50, 4.894, 267.481



36, 71.600, 293.081



9, 28.750, 287.433

Inverse Universe

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



75, 41.134, 354.231



71, 49.640, 355.485



97, 48.511, 110.975



50, 5.959, 350.744



41, 68.435, 12.602



10, 31.289, 5.485

Previews

White Background



This preview shows how the CIELCh color 78, 33.108, 272.747 looks on a white background.

Color Contrast Check

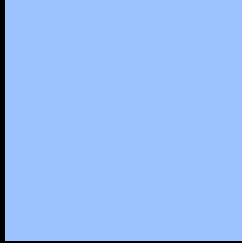
Large Text (above 18pt) WCAG AA × Fail

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 78, 33.108, 272.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

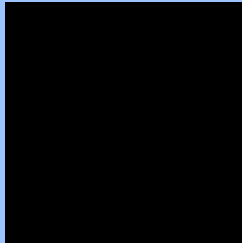
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

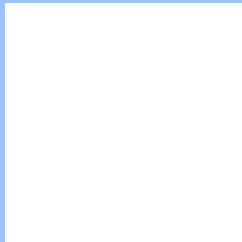
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 33.108, 272.747

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.108, 272.747.



This preview shows how white text looks on a background with the CIELCh color 78, 33.108, 272.747.

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

78, 33.108, 272.747

Protanopia

78, 32.321, 285.234

Deuteranopia

78, 35.460, 287.300



Tritanopia
78, 19.170, 226.876

Trichromacy



Original Color
78, 33.108, 272.747

Protanomaly
78, 32.140, 280.185

Deuteranomaly
78, 34.658, 282.510

Tritanomaly
78, 22.403, 248.966

Monochromacy



Original Color
78, 33.108, 272.747

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 12.145, 267.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.108, 272.747 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(157, 195, 254)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 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(157, 195, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.108, 272.747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

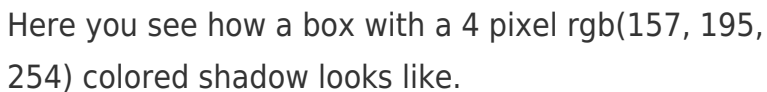
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 195, 254) }
```

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

```
.border{ border-color:rgb(157, 195, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 195, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 195, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 195, 254);  
box-shadow:4px 4px 4px 4px rgb(157, 195,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.108, 272.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 254) }
```

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

```
.background{ background-color: rgb(157,  
195, 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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