

Converting Colors

CIELCh(78, 34.040, 273.485)

Have a look what the booklet for
CIELCh(78, 34.040, 273.485)
contains.

CIELCh(78, 33.598, 273.154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 33.598, 273.154)

Conversions

Conversions Part 1

Format	Color
Hex	9DC3FF
RGB	157, 195, 255
RGB Percent	62%, 76%, 100%
CMY	0.3856, 0.2366, 0.0014
CMYK	0.38, 0.24, 0.00, 0.00
HSL	217°, 99%, 81%
HSV	217°, 38%, 100%
XYZ	51.2718, 53.2120, 101.8788
YIQ	190.4780, -41.9080, 10.6040

Conversions

Conversions Part 2

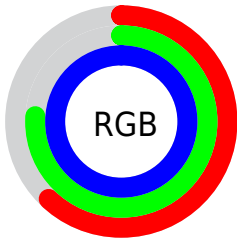
Format	Color
R _Y B	157, 184, 255
Decimal	10339327
CIE Lab	78.00, 1.85, -33.55
CIE LCh	78, 33.598, 273.154
Yxy	53.2120, 0.2485, 0.2579
Android (android.graphics.Color)	4288529407 (0xFF9DC3FF)
YUV	190.4780, 31.8093, -29.3602
Hunter-Lab	72.9466, -2.1945, -31.7431

Details

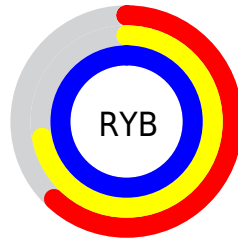
The CIELCh color **78, 33.598, 273.154** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **88, 34.867, 81.366**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 12.503, 208.163**, and **58, 33.325, 272.910** is the 20% darker color. If you saturate the color by 10%, you get **72, 42.505, 275.656**, and if you desaturate by 10%, it is **84, 24.768, 271.021**.

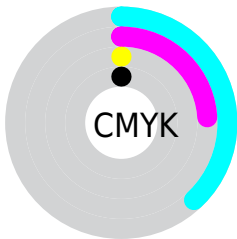
Distribution



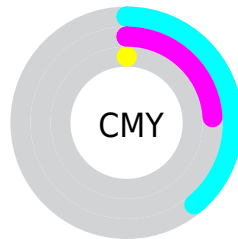
- Red (62%)
- Green (76%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.598, 273.154 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, 33.598, 273.154 by changing the saturation by 10% instead.


 78, 33.598,
273.154


 78, 33.598,
273.154


 100, 33.598,
273.154


 68, 33.598,
273.154


 98, 33.598,
273.154

 58, 33.598,
273.154

 48, 33.598,
273.154

 38, 33.598,
273.154

 28, 33.598,
273.154

 18, 33.598,
273.154

 8, 33.598, 273.154

■ 0, 33.598, 273.154

■ 78, 33.598,
273.154

■ 78, 33.598,
273.154

■ 72, 42.505,
275.656

■ 84, 24.768,
271.021

■ 67, 51.525,
278.567

■ 89, 16.009,
269.213

■ 62, 60.705,
281.895

■ 95, 7.318, 267.691

■ 57, 70.107,
285.594

100, 0.167,
109.702

■ 52, 79.757,
289.535

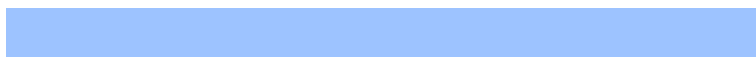
■ 48, 89.582,
293.486

■ 47, 91.085,
294.047

Harmonies

Complementary

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



78, 33.598, 273.154



88, 34.867, 81.366

Rectangle

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



78, 33.598, 273.154



78, 33.598, 323.154



78, 33.598, 93.154



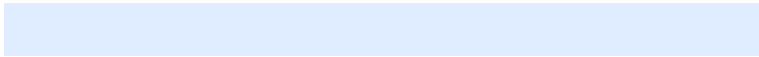
78, 33.598, 143.154

Sweetspot

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



78, 33.597, 273.153



93, 10.382, 268.195



93, 38.618, 165.436



49, 6.890, 268.391



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, 33.597, 273.153



74, 40.334, 275.000



69, 53.984, 298.344



50, 4.915, 267.834



35, 72.100, 293.349



9, 28.946, 287.735

Inverse Universe

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



76, 41.459, 354.534



71, 49.562, 355.755



97, 48.964, 110.954



50, 5.945, 350.993



41, 68.493, 12.986



10, 31.286, 5.823

Previews

White Background



This preview shows how the CIELCh color 78, 33.598, 273.154 looks on a white background.

Color Contrast Check

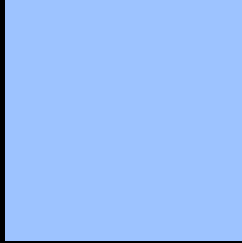
Large Text (above 18pt) WCAG AA × Fail

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, 33.598, 273.154 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

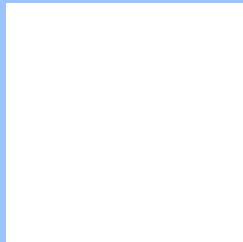
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 33.598, 273.154

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.598, 273.154.



This preview shows how white text looks on a background with the CIELCh color 78, 33.598, 273.154.

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, 33.598, 273.154

Protanopia

78, 32.847, 285.424

Deuteranopia

78, 35.485, 286.814



Tritanopia
78, 19.425, 226.453

Trichromacy



Original Color
78, 33.598, 273.154

Protanomaly
78, 32.655, 280.468

Deuteranomaly
78, 34.704, 282.031

Tritanomaly
78, 22.403, 248.966

Monochromacy



Original Color
78, 33.598, 273.154

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 12.633, 268.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.598, 273.154 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.598, 273.154 is called "border". The border property can be set on classes, ids or directly on the HTML element.

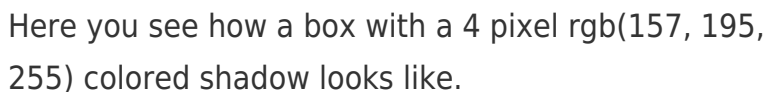
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 195, 255) }
```

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

```
.border{ border-color:rgb(157, 195, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 195, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 195, 255); box-shadow:4px 4px 4px 4px rgb(157, 195, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.598, 273.154 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, 255) }
```

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

```
.background{ background-color: rgb(157,  
195, 255) }
```

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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