

Converting Colors

CIELCh(81, 62.280, 285.249)

Have a look what the booklet for
CIELCh(81, 62.280, 285.249)
contains.

CIELCh(78, 33.016, 269.981)	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, 33.016, 269.981)

Conversions

Conversions Part 1

Format	Color
Hex	99C4FE
RGB	153, 196, 254
RGB Percent	60%, 77%, 100%
CMY	0.4013, 0.2326, 0.0054
CMYK	0.40, 0.23, 0.00, 0.01
HSL	214°, 97%, 80%
HSV	214°, 40%, 99%
XYZ	50.5723, 53.2120, 101.0512
YIQ	189.7550, -44.2460, 8.9220

Conversions

Conversions Part 2

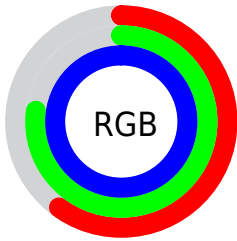
Format	Color
R _Y B	153, 183, 254
Decimal	10077438
CIE Lab	78.00, -0.01, -33.02
CIE LCh	78, 33.016, 269.981
Yxy	53.2120, 0.2469, 0.2598
Android (android.graphics.Color)	4288267518 (0xFF99C4FE)
YUV	189.7550, 31.6728, -32.2341
Hunter-Lab	72.9466, -3.9062, -31.0705

Details

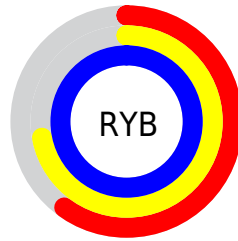
The CIELCh color **78, 33.016, 269.981** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **87, 35.152, 77.654**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 14.038, 204.895**, and **58, 33.224, 270.342** is the 20% darker color. If you saturate the color by 10%, you get **73, 41.323, 272.581**, and if you desaturate by 10%, it is **83, 24.712, 267.772**.

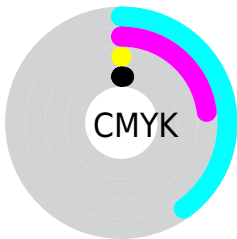
Distribution



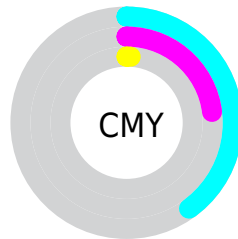
- Red (60%)
- Green (77%)
- Blue (100%)



- Red (60%)
- Yellow (72%)
- Blue (100%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)





- Cyan (40%)
- Magenta (23%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.016, 269.981 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, 33.016, 269.981 by changing the saturation by 10% instead.


 78, 33.016,
269.981


 78, 33.016,
269.981


 100, 33.016,
269.981


 68, 33.016,
269.981


 98, 33.016,
269.981

 58, 33.016,
269.981

 48, 33.016,
269.981

 38, 33.016,
269.981

 28, 33.016,
269.981

 18, 33.016,
269.981

 8, 33.016, 269.981

■ 0, 33.016, 269.981

■ 78, 33.016,
269.981

■ 78, 33.016,
269.981

■ 73, 41.323,
272.581

■ 83, 24.712,
267.772

■ 68, 49.663,
275.616

■ 89, 16.410,
265.905

■ 63, 58.089,
279.095

■ 94, 8.117, 264.337

■ 58, 66.674,
282.971

■ 100, 0.152, 80.498

■ 100, 0.689,
110.014

■ 53, 75.483,
287.115

■ 49, 84.521,
291.260

■ 49, 84.700,
291.336

Harmonies

Complementary

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



78, 33.016, 269.981



87, 35.152, 77.654

Rectangle

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



78, 33.016, 269.981



78, 33.016, 319.981



78, 33.016, 89.981



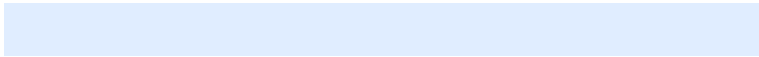
78, 33.016, 139.981

Sweetspot

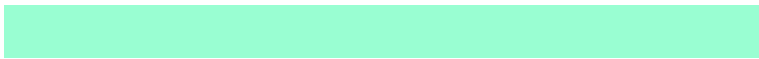
The Sweet Spot groups the original color and five complimentary colors.



78, 33.015, 269.980



93, 9.981, 264.657



93, 40.823, 163.305



49, 6.621, 264.854



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, 33.015, 269.980



74, 39.998, 272.085



67, 55.781, 297.540



50, 4.728, 264.295



37, 67.275, 290.599



10, 27.085, 284.656

Inverse Universe

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



75, 43.514, 352.218



70, 52.469, 353.515



97, 50.314, 109.350



50, 6.085, 348.634



41, 68.082, 9.255



10, 31.375, 2.572

Previews

White Background



This preview shows how the CIELCh color 78, 33.016, 269.981 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, 33.016, 269.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

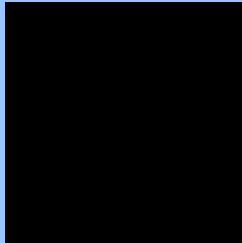
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

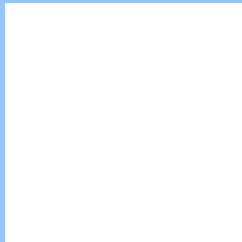
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 33.016, 269.981

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.016, 269.981.



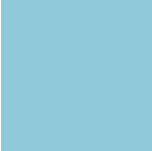
This preview shows how white text looks on a background with the CIELCh color 78, 33.016, 269.981.

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



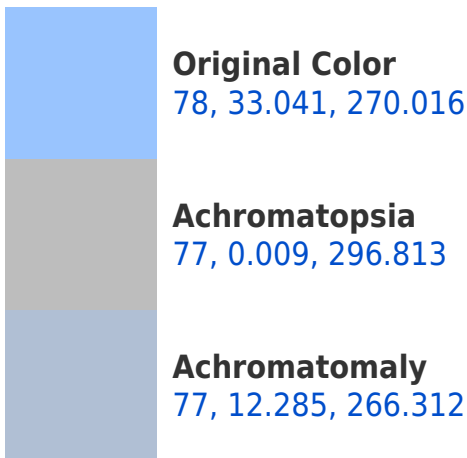


Tritanopia
78, 20.268, 223.393

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.016, 269.981 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(153, 196, 254)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 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(153, 196, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.016, 269.981 is called "border". The border property can be set on classes, ids or directly on the HTML element.

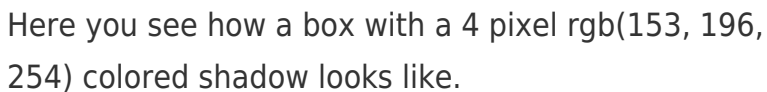
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 196, 254) }
```

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

```
.border{ border-color:rgb(153, 196, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 196, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 196, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 196, 254);  
box-shadow:4px 4px 4px 4px rgb(153, 196,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.016, 269.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 254) }
```

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

```
.background{ background-color: rgb(153,  
196, 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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