

Converting Colors

CIELCh(81, 43.353, 278.276)

Have a look what the booklet for
CIELCh(81, 43.353, 278.276)
contains.

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Color

CIELCh(80, 30.733, 269.360)

Conversions

Conversions Part 1

Format	Color
Hex	A1C9FF
RGB	161, 201, 255
RGB Percent	63%, 79%, 100%
CMY	0.3679, 0.2111, 0.0000
CMYK	0.37, 0.21, 0.00, 0.00
HSL	214°, 100%, 82%
HSV	214°, 37%, 100%
XYZ	53.7399, 56.6813, 102.8698
YIQ	195.1960, -41.1740, 8.3140

Conversions

Conversions Part 2

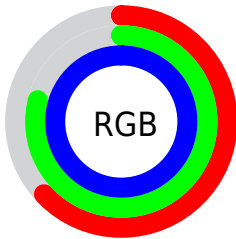
Format	Color
R _Y B	161, 189, 255
Decimal	10603007
CIE Lab	80.00, -0.34, -30.73
CIE LCh	80, 30.733, 269.360
Yxy	56.6813, 0.2520, 0.2657
Android (android.graphics.Color)	4288793087 (0xFFA1C9FF)
YUV	195.1960, 29.4834, -29.9899
Hunter-Lab	75.2870, -4.3388, -28.3112

Details

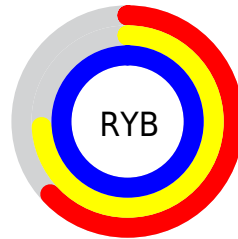
The CIELCh color `80, 30.733, 269.360` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `88, 32.472, 78.062`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 12.449, 198.674`, and `60, 30.739, 269.611` is the 20% darker color. If you saturate the color by 10%, you get `75, 38.985, 271.748`, and if you desaturate by 10%, it is `85, 22.307, 267.168`.

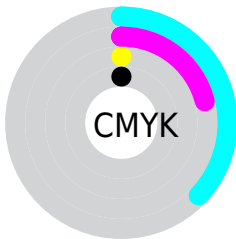
Distribution



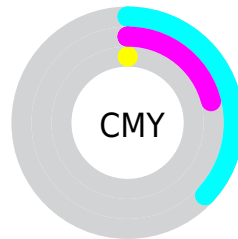
- Red (63%)
- Green (79%)
- Blue (100%)



- Red (63%)
- Yellow (74%)
- Blue (100%)



- Cyan (37%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 30.733, 269.360 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, 30.733, 269.360 by changing the saturation by 10% instead.


 80, 30.733,
269.360


 80, 30.733,
269.360


 100, 30.733,
269.360


 70, 30.733,
269.360


 60, 30.733,
269.360

 50, 30.733,
269.360

 40, 30.733,
269.360

 30, 30.733,
269.360

 20, 30.733,
269.360

 10, 30.733,

269.360

■ 0, 30.733, 269.360

■ 80, 30.733,
269.360

■ 80, 30.733,
269.360

■ 75, 38.985,
271.748

■ 85, 22.307,
267.168

■ 69, 47.346,
274.651

■ 91, 13.971,
265.394

■ 64, 55.774,
277.999

■ 96, 5.648, 263.918

■ 60, 64.339,
281.767

100, 0.012,
296.813

■ 55, 73.114,
285.852

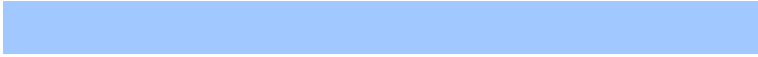
■ 51, 82.122,
290.057

■ 50, 85.060,
291.341

Harmonies

Complementary

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



80, 30.733, 269.360



88, 32.472, 78.062

Rectangle

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



80, 30.733, 269.360



80, 30.733, 319.360



80, 30.733, 89.360



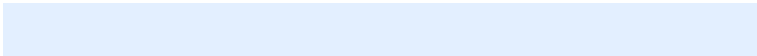
80, 30.733, 139.360

Sweetspot

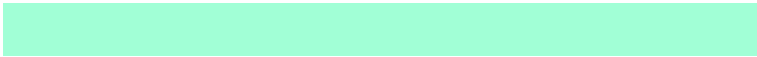
The Sweet Spot groups the original color and five complimentary colors.



80, 30.645, 269.269



94, 9.147, 264.501



93, 38.080, 163.680



49, 6.147, 264.701



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, 30.645, 269.269



76, 36.655, 271.015



70, 51.462, 297.076



50, 4.727, 264.286



37, 67.263, 290.591



10, 27.080, 284.648

Inverse Universe

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



77, 40.401, 351.783



73, 48.246, 352.852



98, 46.866, 109.601



50, 6.085, 348.628



41, 68.081, 9.246



10, 31.375, 2.564

Previews

White Background



This preview shows how the CIELCh color 80, 30.733, 269.360 looks on a white background.

Color Contrast Check

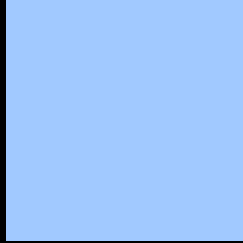
Large Text (above 18pt) WCAG AA × Fail

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, 30.733, 269.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

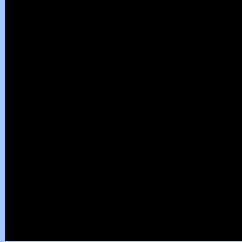
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

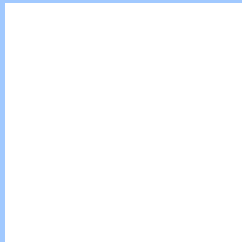
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 30.733, 269.360

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.733, 269.360.



This preview shows how white text looks on a background with the CIELCh color 80, 30.733, 269.360.

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

80, 30.733, 269.360

Protanopia

80, 29.456, 285.290

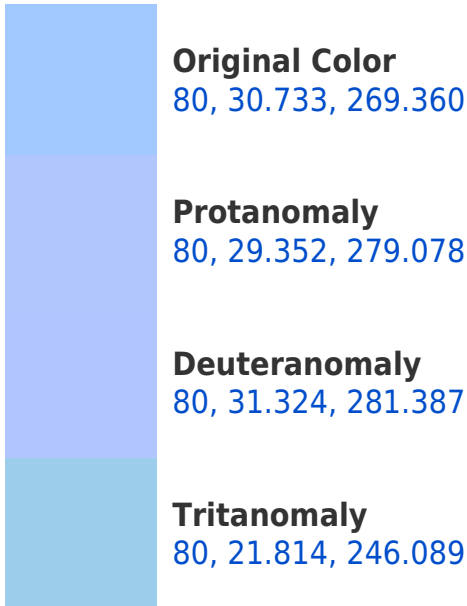
Deuteranopia

80, 32.036, 287.876

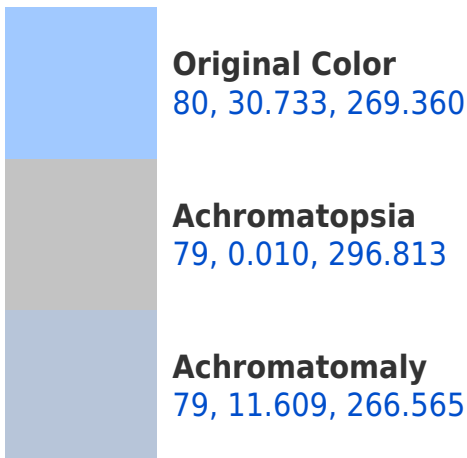


Tritanopia
80, 19.200, 224.843

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.733, 269.360 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(161, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 201, 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(161, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 201, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.733, 269.360 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(161, 201, 255) }
```

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

```
.border{ border-color:rgb(161, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 201,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.733, 269.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 201, 255) }
```

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

```
.background{ background-color: rgb(161,  
201, 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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