

Converting Colors

CIELCh(80, 30.224, 273.449)

Have a look what the booklet for
CIELCh(80, 30.224, 273.449)
contains.

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Color

CIELCh(80, 30.027, 273.479)

Conversions

Conversions Part 1

Format	Color
Hex	A8C8FE
RGB	168, 200, 254
RGB Percent	66%, 78%, 100%
CMY	0.3418, 0.2163, 0.0046
CMYK	0.34, 0.21, 0.00, 0.00
HSL	218°, 97%, 83%
HSV	218°, 34%, 100%
XYZ	54.5887, 56.6813, 101.6802
YIQ	196.5880, -36.4060, 10.0100

Conversions

Conversions Part 2

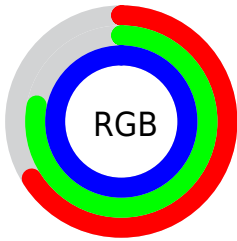
Format	Color
R _Y B	168, 191, 254
Decimal	11061502
CIE Lab	80.00, 1.82, -29.97
CIE LCh	80, 30.027, 273.479
Yxy	56.6813, 0.2563, 0.2662
Android (android.graphics.Color)	4289251582 (0xFFA8C8FE)
YUV	196.5880, 28.3041, -25.0717
Hunter-Lab	75.2870, -2.3263, -27.3743

Details

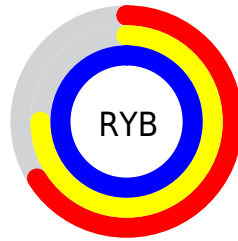
The CIELCh color $80, 30.027, 273.479$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $90, 30.787, 83.403$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 10.172, 198.828$, and $60, 30.075, 273.557$ is the 20% darker color. If you saturate the color by 10%, you get $74, 39.100, 275.785$, and if you desaturate by 10%, it is $86, 21.053, 271.514$.

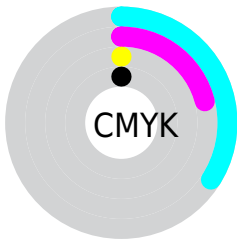
Distribution



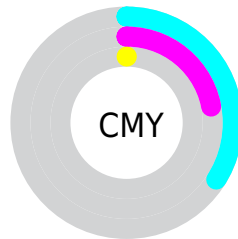
- Red (66%)
- Green (78%)
- Blue (100%)



- Red (66%)
- Yellow (75%)
- Blue (100%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.027, 273.479 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, 30.027, 273.479 by changing the saturation by 10% instead.

■ 80, 30.027,
273.479

■ 80, 30.027,
273.479

■ 100, 30.027,
273.479

■ 70, 30.027,
273.479

■ 60, 30.027,
273.479

■ 50, 30.027,
273.479

■ 40, 30.027,
273.479

■ 30, 30.027,
273.479

■ 20, 30.027,
273.479

■ 10, 30.027,

273.479

0, 30.027, 273.479

80, 30.027,
273.479

80, 30.027,
273.479

74, 39.100,
275.785

86, 21.053,
271.514

69, 48.300,
278.479

92, 12.174,
269.849

63, 57.668,
281.581

97, 3.390, 268.487

58, 67.258,
285.070

100, 0.585,
110.002

53, 77.107,
288.855

■ 49, 87.163,
292.757

■ 46, 93.350,
295.050

Harmonies

Complementary

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



80, 30.027, 273.479



90, 30.787, 83.403

Rectangle

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



80, 30.027, 273.479



80, 30.027, 323.479



80, 30.027, 93.479



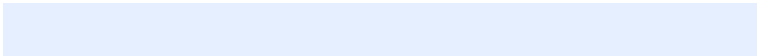
80, 30.027, 143.479

Sweetspot

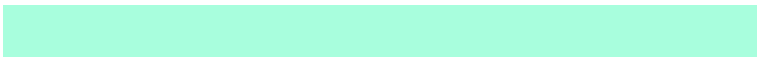
The Sweet Spot groups the original color and five complimentary colors.



80, 30.026, 273.478



94, 8.790, 269.278



94, 33.720, 167.021



49, 6.001, 269.481



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, 30.026, 273.478



76, 36.614, 275.086



73, 46.982, 298.234



50, 4.996, 269.209



35, 74.091, 294.377



9, 29.726, 288.900

Inverse Universe

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



78, 36.079, 354.908



74, 43.945, 355.989



97, 43.243, 112.053



50, 5.891, 351.993



41, 68.760, 14.505



10, 31.284, 7.167

Previews

White Background



This preview shows how the CIELCh color 80, 30.027, 273.479 looks on a white background.

Color Contrast Check

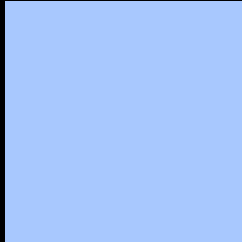
Large Text (above 18pt) WCAG AA × Fail

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, 30.027, 273.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

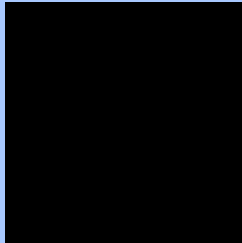
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

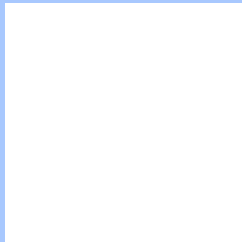
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 30.027, 273.479

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.027, 273.479.



This preview shows how white text looks on a background with the CIELCh color 80, 30.027, 273.479.

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, 30.027, 273.479

Protanopia

80, 29.456, 285.290

Deuteranopia

80, 32.559, 289.123



Tritanopia
80, 17.118, 228.520

Trichromacy



Original Color
80, 30.027, 273.479

Protanomaly
80, 29.724, 281.133

Deuteranomaly
80, 31.692, 283.826

Tritanomaly
80, 20.314, 251.029

Monochromacy



Original Color
80, 30.027, 273.479

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 11.249, 271.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.027, 273.479 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(168, 200, 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(168, 200, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 200, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.027, 273.479 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, 254) }
```

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

```
.border{ border-color:rgb(168, 200, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 200, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 200, 254);  
box-shadow:4px 4px 4px 4px rgb(168, 200,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.027, 273.479 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, 254) }
```

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

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