

Converting Colors

CIELCh(80, 28.621, 256.493)

Have a look what the booklet for
CIELCh(80, 28.621, 256.493)
contains.

CIELCh(80, 28.911, 257.306)	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(80, 28.911, 257.306)

Conversions

Conversions Part 1

Format	Color
Hex	95CCFA
RGB	149, 204, 250
RGB Percent	58%, 80%, 98%
CMY	0.4144, 0.1987, 0.0183
CMYK	0.40, 0.18, 0.00, 0.02
HSL	207°, 92%, 78%
HSV	207°, 40%, 98%
XYZ	51.4304, 56.6813, 98.9473
YIQ	192.7990, -47.5460, 2.6460

Conversions

Conversions Part 2

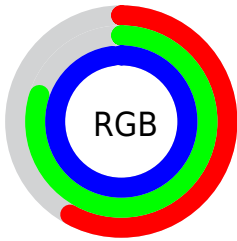
Format	Color
R _Y B	149, 185, 250
Decimal	9817338
CIE Lab	80.00, -6.35, -28.20
CIE LCh	80, 28.911, 257.306
Yxy	56.6813, 0.2484, 0.2737
Android (android.graphics.Color)	4288007418 (0xFF95CCFA)
YUV	192.7990, 28.2001, -38.4117
Hunter-Lab	75.2870, -9.8145, -25.2221

Details

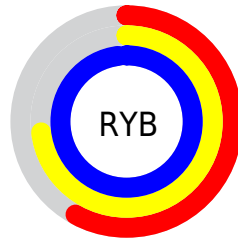
The CIELCh color **80, 28.911, 257.306** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **83, 33.604, 65.742**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.252, 198.426**, and **60, 28.750, 256.909** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.539, 259.938**, and if you desaturate by 10%, it is **84, 22.036, 255.116**.

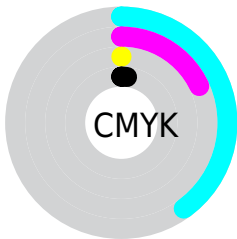
Distribution



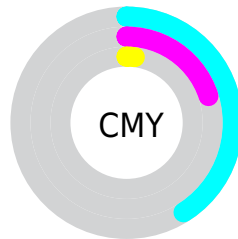
- Red (58%)
- Green (80%)
- Blue (98%)



- Red (58%)
- Yellow (73%)
- Blue (98%)



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)



- Cyan (41%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 28.911, 257.306 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, 28.911, 257.306 by changing the saturation by 10% instead.

■ 80, 28.911,
257.306

■ 80, 28.911,
257.306

■ 100, 28.911,
257.306

■ 70, 28.911,
257.306

■ 60, 28.911,
257.306

■ 50, 28.911,
257.306

■ 40, 28.911,
257.306

■ 30, 28.911,
257.306

■ 20, 28.911,
257.306

■ 10, 28.911,

257.306

0, 28.911, 257.306

80, 28.911,
257.306

80, 28.911,
257.306

76, 35.539,
259.938

84, 22.036,
255.116

71, 41.920,
263.080

89, 14.945,
253.304

67, 48.091,
266.770

94, 7.675, 251.819

64, 54.139,
270.996

98, 0.268, 252.267

60, 60.201,
275.660

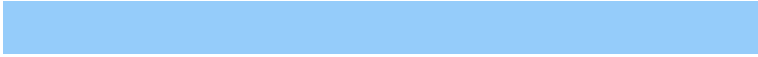
100, 2.354,
109.969

■ 57, 66.225,
280.313

Harmonies

Complementary

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



80, 28.911, 257.306



83, 33.604, 65.742

Rectangle

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



80, 28.911, 257.306



80, 28.911, 307.306



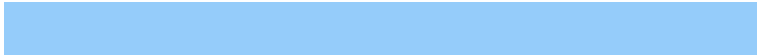
80, 28.911, 77.306



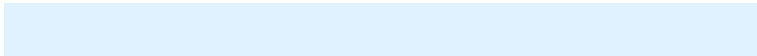
80, 28.911, 127.306

Sweetspot

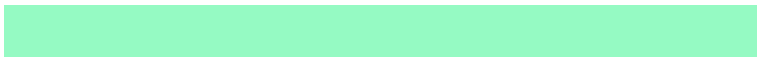
The Sweet Spot groups the original color and five complimentary colors.



80, 28.910, 257.305



94, 9.020, 252.044



91, 45.042, 157.119



50, 5.975, 252.227



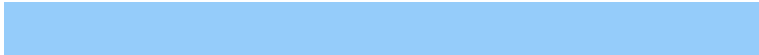
0, 0.000, 0.000



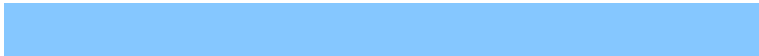
53, 0.007, 296.813

Same Dimension

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



80, 28.910, 257.305



78, 34.515, 259.289



67, 52.975, 293.787



50, 4.213, 251.707



43, 52.695, 279.422



12, 21.203, 272.171

Inverse Universe

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



74, 46.525, 345.168



71, 55.699, 346.149



95, 48.144, 103.986



49, 6.470, 342.055



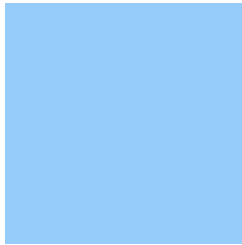
41, 68.255, 357.903



10, 31.548, 352.787

Previews

White Background



This preview shows how the CIELCh color 80, 28.911, 257.306 looks on a white background.

Color Contrast Check

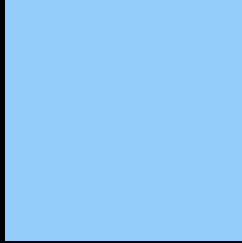
Large Text (above 18pt) WCAG AA × Fail

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, 28.911, 257.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

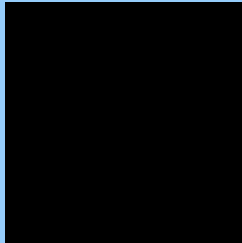
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

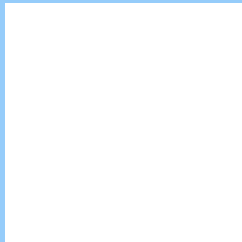
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 28.911, 257.306

Background



This preview shows how black text looks on a background with the CIELCh color 80, 28.911, 257.306.



This preview shows how white text looks on a background with the CIELCh color 80, 28.911, 257.306.

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, 28.911, 257.306

Protanopia
80, 25.714, 285.171

Deuteranopia
80, 31.487, 289.455



Tritanopia
80, 22.272, 220.740

Trichromacy



Original Color
80, 28.911, 257.306

Protanomaly
80, 26.085, 273.933

Deuteranomaly
80, 29.478, 277.932

Tritanomaly
80, 23.550, 236.271

Monochromacy



Original Color
80, 28.911, 257.306

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 11.250, 253.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 28.911, 257.306 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(149, 204, 250)` looks like.

```
.text, #text, p{  
    color:rgb(149, 204, 250)  
}
```

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(149, 204, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 204, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 28.911, 257.306 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(149, 204, 250) }
```

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

```
.border{ border-color:rgb(149, 204, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 204, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 204, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 204, 250);  
box-shadow:4px 4px 4px 4px rgb(149, 204,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 28.911, 257.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 204, 250) }
```

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

```
.background{ background-color: rgb(149,  
204, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor