

Converting Colors

CIELCh(80, 32.811, 252.932)

Have a look what the booklet for
CIELCh(80, 32.811, 252.932)
contains.

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Color

CIELCh(80, 32.452, 252.640)

Conversions

Conversions Part 1

Format	Color
Hex	86CEFF
RGB	134, 206, 255
RGB Percent	53%, 81%, 100%
CMY	0.4729, 0.1906, 0.0000
CMYK	0.47, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 47%, 100%
XYZ	50.1797, 56.6813, 103.2519
YIQ	190.0580, -58.6410, -0.0250

Conversions

Conversions Part 2

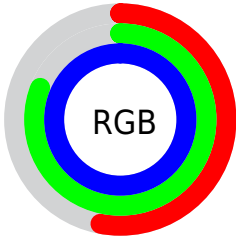
Format	Color
RYB	134, 179, 255
Decimal	8834815
CIELab	80.00, -9.68, -30.97
CIELCh	80, 32.452, 252.640
Yxy	56.6813, 0.2388, 0.2698
Android (android.graphics.Color)	4287024895 (0xFF86CEFF)
YUV	190.0580, 32.0164, -49.1629
Hunter-Lab	75.2870, -12.7798, -28.6121

Details

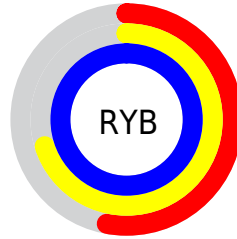
The CIELCh color **80, 32.452, 252.640** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80, 40.595, 59.553**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **60, 32.336, 252.393** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.172, 255.235**, and if you desaturate by 10%, it is **84, 26.039, 249.960**.

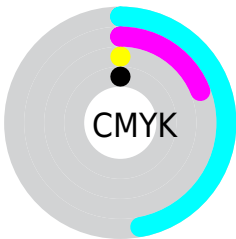
Distribution



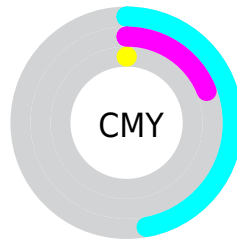
- Red (53%)
- Green (81%)
- Blue (100%)



- Red (53%)
- Yellow (70%)
- Blue (100%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 32.452, 252.640 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, 32.452, 252.640 by changing the saturation by 10% instead.


 80, 32.452,
252.640


 80, 32.452,
252.640


 100, 32.452,
252.640


 70, 32.452,
252.640


 60, 32.452,
252.640

 50, 32.452,
252.640

 40, 32.452,
252.640

 30, 32.452,
252.640

 20, 32.452,
252.640

 10, 32.452,

252.640

■ 0, 32.452, 252.640

■ 80, 32.452,
252.640

■ 80, 32.452,
252.640

■ 76, 38.172,
255.235

■ 84, 26.039,
249.960

■ 72, 43.670,
258.707

■ 88, 19.427,
248.013

■ 69, 48.854,
262.789

■ 92, 12.512,
246.428

■ 65, 53.852,
267.440

■ 97, 5.350, 245.170

■ 62, 58.852,
272.496

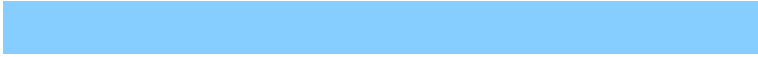
100, 0.012,
296.813

■ 61, 60.253,
273.845

Harmonies

Complementary

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



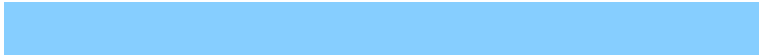
80, 32.452, 252.640



80, 40.595, 59.553

Rectangle

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



80, 32.452, 252.640



80, 32.452, 302.640



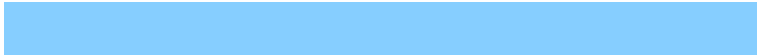
80, 32.452, 72.640



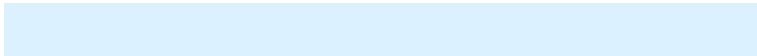
80, 32.452, 122.640

Sweetspot

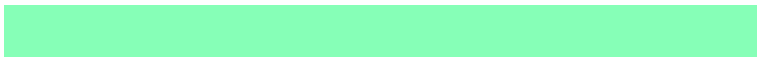
The Sweet Spot groups the original color and five complimentary colors.



80, 32.297, 252.342



94, 10.182, 245.977



92, 55.294, 153.922



49, 7.007, 246.269



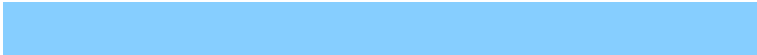
0, 0.000, 0.000



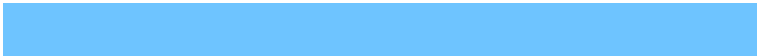
53, 0.007, 296.813

Same Dimension

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



80, 32.297, 252.342



76, 38.008, 255.143



64, 60.334, 293.124



51, 4.161, 245.417



47, 47.844, 272.899



14, 20.001, 265.721

Inverse Universe

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



71, 56.652, 343.129



67, 66.786, 344.376



95, 54.368, 100.707



50, 6.822, 339.465



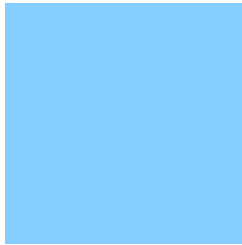
42, 70.265, 353.244



11, 33.102, 349.174

Previews

White Background



This preview shows how the CIELCh color 80, 32.452, 252.640 looks on a white background.

Color Contrast Check

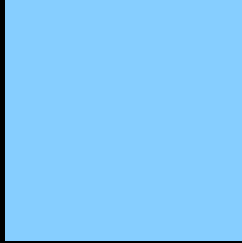
Large Text (above 18pt) WCAG AA × Fail

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, 32.452, 252.640 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

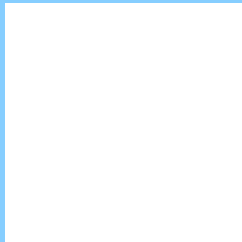
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 32.452, 252.640

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.452, 252.640.

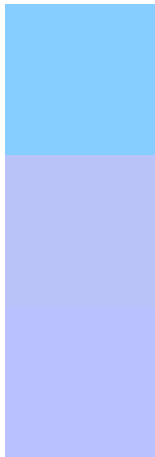


This preview shows how white text looks on a background with the CIELCh color 80, 32.452, 252.640.

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, 32.452, 252.640

Protanopia
80, 27.844, 285.981

Deuteranopia
80, 32.594, 288.032



Tritanopia
80, 26.960, 217.554

Trichromacy



Original Color
80, 32.452, 252.640

Protanomaly
80, 28.580, 272.182

Deuteranomaly
80, 31.039, 274.325

Tritanomaly
80, 27.751, 232.174

Monochromacy



Original Color
80, 32.452, 252.640

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 12.890, 247.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.452, 252.640 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(134, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 206, 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(134, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.452, 252.640 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(134, 206, 255) }
```

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

```
.border{ border-color:rgb(134, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.452, 252.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 206, 255) }
```

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

```
.background{ background-color: rgb(134,  
206, 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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