

Converting Colors

CIELCh(80, 31.780, 257.276)

Have a look what the booklet for
CIELCh(80, 31.780, 257.276)
contains.

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Color

CIELCh(80, 31.614, 256.689)

Conversions

Conversions Part 1

Format	Color
Hex	8ECDFF
RGB	142, 205, 255
RGB Percent	56%, 80%, 100%
CMY	0.4428, 0.1958, 0.0000
CMYK	0.44, 0.20, 0.00, 0.00
HSL	207°, 100%, 78%
HSV	207°, 44%, 100%
XYZ	51.0806, 56.6813, 102.9227
YIQ	191.8630, -53.5980, 2.1940

Conversions

Conversions Part 2

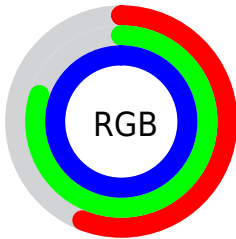
Format	Color
RYB	142, 182, 255
Decimal	9358847
CIELab	80.00, -7.28, -30.76
CIELCh	80, 31.614, 256.689
Yxy	56.6813, 0.2425, 0.2690
Android (android.graphics.Color)	4287548927 (0xFF8ECDFF)
YUV	191.8630, 31.1265, -43.7299
Hunter-Lab	75.2870, -10.6437, -28.3528

Details

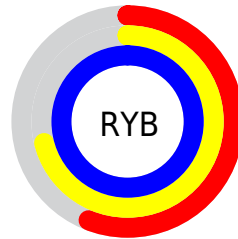
The CIELCh color **80, 31.614, 256.689** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **82, 37.764, 63.896**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.101, 198.308**, and **60, 31.485, 256.644** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.036, 259.449**, and if you desaturate by 10%, it is **84, 24.840, 254.297**.

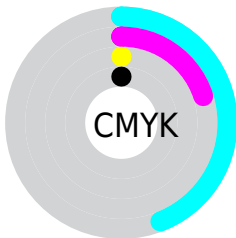
Distribution



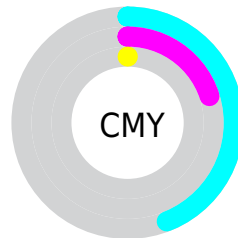
- Red (56%)
- Green (80%)
- Blue (100%)



- Red (56%)
- Yellow (71%)
- Blue (100%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.614, 256.689 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, 31.614, 256.689 by changing the saturation by 10% instead.


 80, 31.614,
256.689


 80, 31.614,
256.689


 100, 31.614,
256.689


 70, 31.614,
256.689

 60, 31.614,
256.689

 50, 31.614,
256.689

 40, 31.614,
256.689

 30, 31.614,
256.689

 20, 31.614,
256.689

 10, 31.614,

256.689

■ 0, 31.614, 256.689

■ 80, 31.614,
256.689

■ 80, 31.614,
256.689

■ 76, 38.036,
259.449

■ 84, 24.840,
254.297

■ 72, 44.214,
262.802

■ 89, 17.838,
252.366

■ 68, 50.168,
266.723

■ 93, 10.615,
250.780

■ 64, 56.010,
271.175

■ 98, 3.217, 249.553

■ 61, 61.896,
276.019

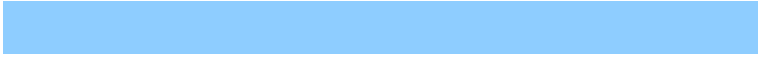
100, 0.012,
296.813

■ 59, 65.365,
278.807

Harmonies

Complementary

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



80, 31.614, 256.689



82, 37.764, 63.896

Rectangle

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



80, 31.614, 256.689



80, 31.614, 306.689



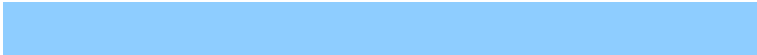
80, 31.614, 76.689



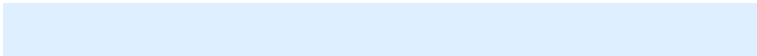
80, 31.614, 126.689

Sweetspot

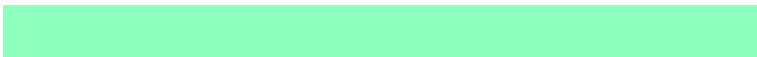
The Sweet Spot groups the original color and five complimentary colors.



80, 31.581, 256.634



94, 9.676, 250.599



92, 50.599, 155.827



49, 6.755, 250.913



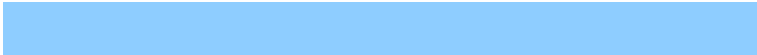
0, 0.000, 0.000



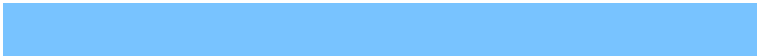
53, 0.007, 296.813

Same Dimension

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



80, 31.581, 256.634



76, 37.225, 259.059



65, 58.386, 293.896



51, 4.247, 250.135



45, 51.824, 277.899



13, 21.393, 270.926

Inverse Universe

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



73, 52.047, 344.904



68, 61.378, 346.064



96, 52.614, 102.764



50, 6.639, 341.376



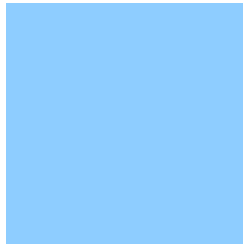
41, 69.221, 356.715



11, 32.532, 352.031

Previews

White Background



This preview shows how the CIELCh color 80, 31.614, 256.689 looks on a white background.

Color Contrast Check

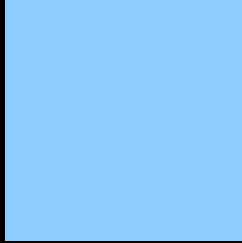
Large Text (above 18pt) WCAG AA × Fail

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, 31.614, 256.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

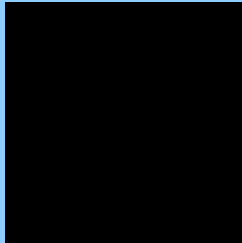
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

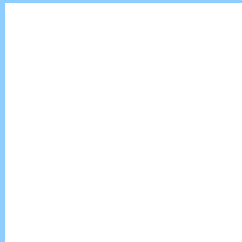
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 31.614, 256.689

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.614, 256.689.



This preview shows how white text looks on a background with the CIELCh color 80, 31.614, 256.689.

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
80, 24.853, 219.451

Trichromacy



Original Color
80, 31.614, 256.689

Protanomaly
80, 28.898, 273.747

Deuteranomaly
80, 31.337, 276.275

Tritanomaly
80, 25.935, 235.068

Monochromacy



Original Color
80, 31.614, 256.689

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 12.252, 251.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.614, 256.689 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(142, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 205, 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(142, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 205, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.614, 256.689 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(142, 205, 255) }
```

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

```
.border{ border-color:rgb(142, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 205, 255); box-shadow:4px 4px 4px 4px rgb(142, 205, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.614, 256.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 205, 255) }
```

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

```
.background{ background-color: rgb(142,  
205, 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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