

Converting Colors

CIELCh(77, 31.139, 251.498)

Have a look what the booklet for
CIELCh(77, 31.139, 251.498)
contains.

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Color

CIELCh(77, 31.140, 251.499)

Conversions

Conversions Part 1

Format	Color
Hex	80C6F4
RGB	128, 198, 244
RGB Percent	50%, 78%, 96%
CMY	0.4979, 0.2234, 0.0430
CMYK	0.48, 0.19, 0.00, 0.04
HSL	204°, 84%, 73%
HSV	204°, 48%, 96%
XYZ	45.4459, 51.5317, 93.1701
YIQ	182.3140, -56.4860, -0.5340

Conversions

Conversions Part 2

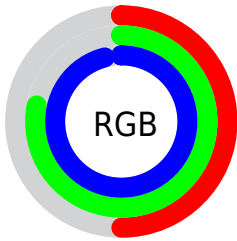
Format	Color
R _Y B	128, 172, 244
Decimal	8439540
CIE Lab	77.00, -9.88, -29.53
CIE LCh	77, 31.140, 251.499
Yxy	51.5317, 0.2390, 0.2710
Android (android.graphics.Color)	4286629620 (0xFF80C6F4)
YUV	182.3140, 30.4112, -47.6334
Hunter-Lab	71.7856, -12.6205, -26.7022

Details

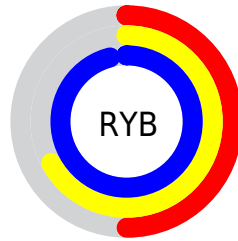
The CIELCh color **77, 31.140, 251.499** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77, 39.399, 58.874**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **57, 31.357, 252.087** is the 20% darker color. If you saturate the color by 10%, you get **73, 36.729, 254.372**, and if you desaturate by 10%, it is **81, 25.163, 249.136**.

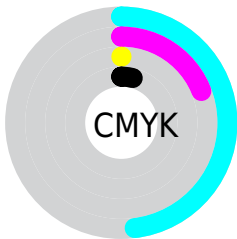
Distribution



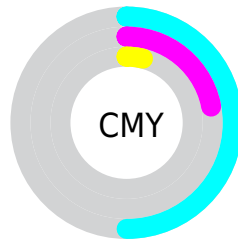
- Red (50%)
- Green (78%)
- Blue (96%)



- Red (50%)
- Yellow (67%)
- Blue (96%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (50%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 31.140, 251.499 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 77, 31.140, 251.499 by changing the saturation by 10% instead.

■ 77, 31.140,
251.499

■ 77, 31.140,
251.499

■ 100, 31.140,
251.499

■ 67, 31.140,
251.499

■ 97, 31.140,
251.499

■ 57, 31.140,
251.499

■ 47, 31.140,
251.499

■ 37, 31.140,
251.499

■ 27, 31.140,
251.499

■ 17, 31.140,
251.499

■ 7, 31.140, 251.499

0, 31.140, 251.499

77, 31.140,
251.499

77, 31.140,
251.499

73, 36.729,
254.372

81, 25.163,
249.136

70, 41.939,
257.827

85, 18.834,
247.207

66, 46.829,
261.896

89, 12.200,
245.639

63, 51.521,
266.542

93, 5.319, 244.397

60, 56.199,
271.599

97, 1.755, 62.936

59, 57.394,
272.824

100, 5.546,
109.749

Harmonies

Complementary

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



77, 31.140, 251.499



77, 39.399, 58.874

Rectangle

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



77, 31.140, 251.499



77, 31.140, 301.499



77, 31.140, 71.499



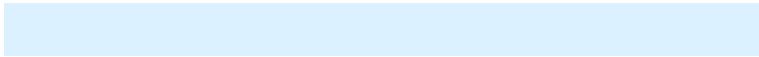
77, 31.140, 121.499

Sweetspot

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



77, 31.139, 251.498



94, 10.151, 245.166



88, 54.361, 153.181



49, 6.985, 245.454



0, 0.000, 0.000



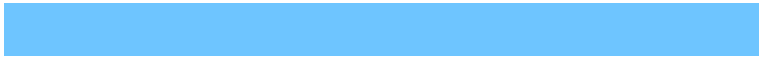
53, 0.007, 296.813

Same Dimension

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



77, 31.139, 251.498



76, 37.750, 254.247



62, 57.381, 292.416



49, 4.013, 244.611



46, 46.209, 271.898



13, 18.554, 263.915

Inverse Universe

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



69, 55.155, 342.797



67, 67.038, 344.008



91, 51.965, 99.773



48, 6.628, 339.154



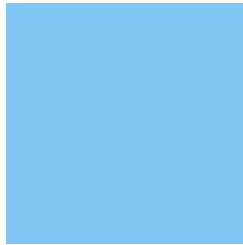
41, 69.086, 352.618



9, 31.547, 348.282

Previews

White Background



This preview shows how the CIELCh color 77, 31.140, 251.499 looks on a white background.

Color Contrast Check

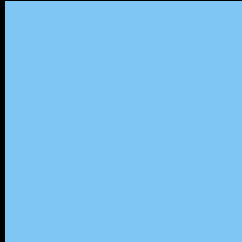
Large Text (above 18pt) WCAG AA × Fail

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 77, 31.140, 251.499 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

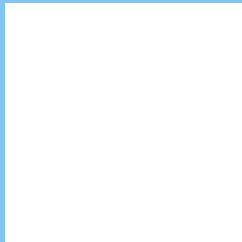
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 31.140, 251.499

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.140, 251.499.

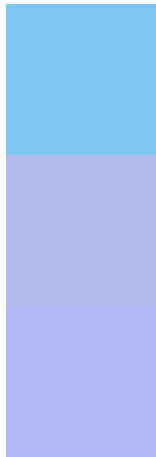


This preview shows how white text looks on a background with the CIELCh color 77, 31.140, 251.499.

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

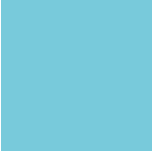
77, 31.140, 251.499

Protanopia

77, 26.464, 285.518

Deuteranopia

77, 32.841, 288.171



Tritanopia
77, 26.249, 218.292

Trichromacy



Original Color
77, 31.140, 251.499

Protanomaly
77, 27.299, 270.944

Deuteranomaly
77, 31.196, 275.093

Tritanomaly
77, 26.922, 230.868

Monochromacy



Original Color
77, 31.140, 251.499

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 12.597, 245.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.140, 251.499 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(128, 198, 244)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 244)  
}
```

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(128, 198, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.140, 251.499 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(128, 198, 244) }
```

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

```
.border{ border-color:rgb(128, 198, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 198, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 198, 244); box-shadow:4px 4px 4px 4px rgb(128, 198, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.140, 251.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 244) }
```

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

```
.background{ background-color: rgb(128,  
198, 244) }
```

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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