

Converting Colors

CIELCh(78, 31.484, 234.797)

Have a look what the booklet for
CIELCh(78, 31.484, 234.797)
contains.

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Color

CIELCh(78, 31.484, 234.797)

Conversions

Conversions Part 1

Format	Color
Hex	70CDF0
RGB	112, 205, 240
RGB Percent	44%, 80%, 94%
CMY	0.5621, 0.1973, 0.0601
CMYK	0.53, 0.15, 0.00, 0.06
HSL	196°, 81%, 69%
HSV	196°, 53%, 94%
XYZ	44.0796, 53.2120, 90.1410
YIQ	181.1830, -66.6630, -8.8310

Conversions

Conversions Part 2

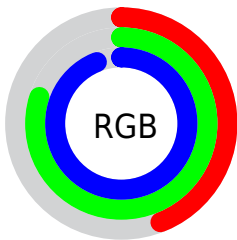
Format	Color
R _Y B	112, 166, 240
Decimal	7392752
CIE Lab	78.00, -18.15, -25.73
CIE LCh	78, 31.484, 234.797
Yxy	53.2120, 0.2352, 0.2839
Android (android.graphics.Color)	4285582832 (0xFF70CDF0)
YUV	181.1830, 28.9968, -60.6735
Hunter-Lab	72.9466, -19.7938, -22.2028

Details

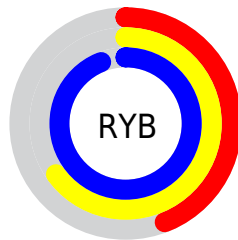
The CIELCh color **78, 31.484, 234.797** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **70, 45.939, 46.501**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **58, 31.510, 234.467** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.549, 237.277**, and if you desaturate by 10%, it is **81, 26.734, 232.837**.

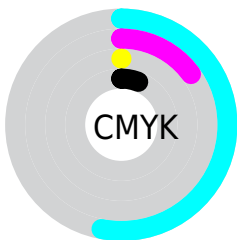
Distribution



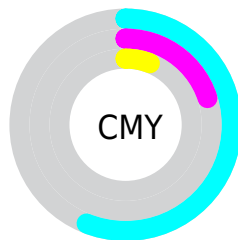
- Red (44%)
- Green (80%)
- Blue (94%)



- Red (44%)
- Yellow (65%)
- Blue (94%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)





- Cyan (56%)
- Magenta (20%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 31.484, 234.797 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 78, 31.484, 234.797 by changing the saturation by 10% instead.


 78, 31.484,
234.797


 78, 31.484,
234.797


 100, 31.484,
234.797


 68, 31.484,
234.797


 98, 31.484,
234.797

 58, 31.484,
234.797

 48, 31.484,
234.797

 38, 31.484,
234.797

 28, 31.484,
234.797

 18, 31.484,
234.797

 8, 31.484, 234.797

0, 31.484, 234.797

78, 31.484,
234.797

78, 31.484,
234.797

75, 35.549,
237.277

81, 26.734,
232.837

73, 38.918,
240.374

84, 21.361,
231.308

70, 41.642,
244.161

87, 15.448,
230.126

68, 43.864,
248.648

90, 9.086, 229.233

67, 45.207,
251.865

94, 2.363, 228.713

97, 4.487, 48.845

99, 5.727, 93.650

100, 7.751,
109.588

Harmonies

Complementary

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



78, 31.484, 234.797



70, 45.939, 46.501

Rectangle

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



78, 31.484, 234.797



78, 31.484, 284.797



78, 31.484, 54.797



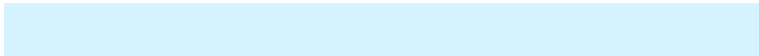
78, 31.484, 104.797

Sweetspot

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



78, 31.483, 234.796



94, 11.326, 229.443



86, 65.447, 147.824



50, 7.606, 229.620



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 31.483, 234.796



79, 37.567, 237.502



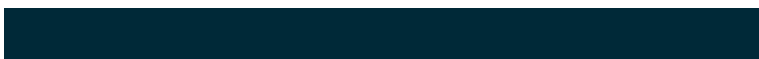
61, 55.365, 287.853



48, 3.886, 228.959



52, 36.784, 250.954



15, 15.371, 243.159

Inverse Universe

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



65, 65.202, 337.308



65, 79.123, 338.358



85, 51.940, 91.666



47, 7.111, 333.832



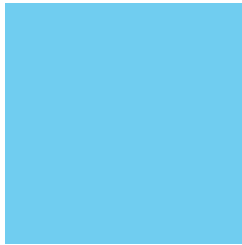
41, 73.402, 342.955



9, 32.898, 340.382

Previews

White Background



This preview shows how the CIELCh color 78, 31.484, 234.797 looks on a white background.

Color Contrast Check

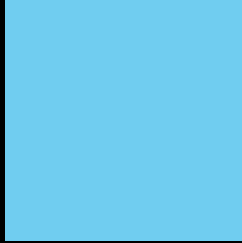
Large Text (above 18pt) WCAG AA × Fail

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 78, 31.484, 234.797 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 78, 31.484, 234.797

Background



This preview shows how black text looks on a background with the CIELCh color 78, 31.484, 234.797.

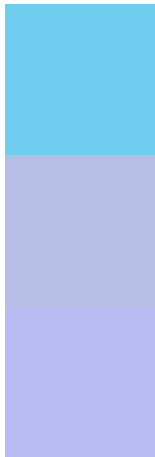


This preview shows how white text looks on a background with the CIELCh color 78, 31.484, 234.797.

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

78, 31.484, 234.797

Protanopia

78, 21.528, 285.893

Deuteranopia

78, 29.515, 290.316

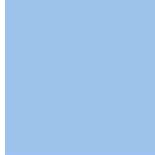


Tritanopia
78, 30.373, 215.089

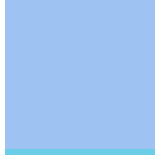
Trichromacy



Original Color
78, 31.484, 234.797



Protanomaly
77, 23.705, 261.485



Deuteranomaly
77, 27.634, 268.566

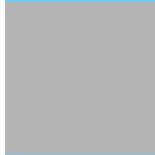


Tritanomaly
78, 30.415, 222.883

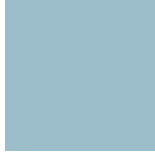
Monochromacy



Original Color
78, 31.484, 234.797



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 13.133, 228.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 31.484, 234.797 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(112, 205, 240)` looks like.

```
.text, #text, p{  
    color:rgb(112, 205, 240)  
}
```

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(112, 205, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 205, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 31.484, 234.797 is called "border". The border property can be set on classes, ids or directly on the HTML element.

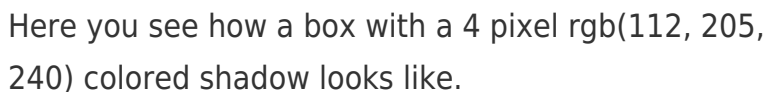
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 205, 240) }
```

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

```
.border{ border-color:rgb(112, 205, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 205, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 205, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 205, 240); box-shadow:4px 4px 4px 4px rgb(112, 205, 240) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 31.484, 234.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 205, 240) }
```

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

```
.background{ background-color: rgb(112,  
205, 240) }
```

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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