

Converting Colors

CIELCh(77, 33.973, 281.340)

Have a look what the booklet for
CIELCh(77, 33.973, 281.340)
contains.

CIELCh(77, 33.779, 281.088)	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(77, 33.779, 281.088)

Conversions

Conversions Part 1

Format	Color
Hex	A6BDFB
RGB	166, 189, 251
RGB Percent	65%, 74%, 98%
CMY	0.3486, 0.2584, 0.0152
CMYK	0.34, 0.25, 0.00, 0.02
HSL	224°, 92%, 82%
HSV	224°, 34%, 98%
XYZ	51.3994, 51.5317, 98.5979
YIQ	189.1910, -33.6100, 14.4060

Conversions

Conversions Part 2

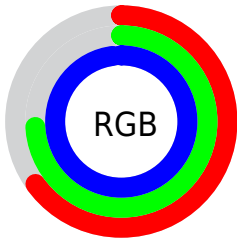
Format	Color
RYB	166, 184, 251
Decimal	10927611
CIELab	77.00, 6.50, -33.15
CIELCh	77, 33.779, 281.088
Yxy	51.5317, 0.2550, 0.2557
Android (android.graphics.Color)	4289117691 (0xFFA6BDFB)
YUV	189.1910, 30.4718, -20.3385
Hunter-Lab	71.7856, 2.1834, -31.1852

Details

The CIELCh color `77, 33.779, 281.088` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 33.172, 91.566`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 8.936, 234.236`, and `57, 33.614, 280.780` is the 20% darker color. If you saturate the color by 10%, you get `71, 44.318, 283.250`, and if you desaturate by 10%, it is `83, 23.514, 279.238`.

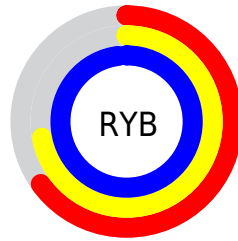
Distribution



Red (65%)

Green (74%)

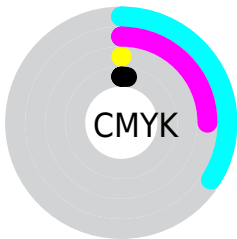
Blue (98%)



Red (65%)

Yellow (72%)

Blue (98%)

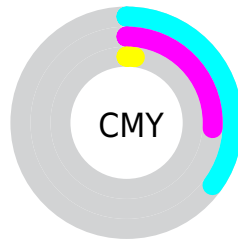


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (35%)

Magenta (26%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 33.779, 281.088 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, 33.779, 281.088 by changing the saturation by 10% instead.

■ 77, 33.779,
281.088

■ 77, 33.779,
281.088

■ 100, 33.779,
281.088

■ 67, 33.779,
281.088

■ 97, 33.779,
281.088

■ 57, 33.779,
281.088

■ 47, 33.779,
281.088

■ 37, 33.779,
281.088

■ 27, 33.779,
281.088

■ 17, 33.779,
281.088

■ 7, 33.779, 281.088

■ 0, 33.779, 281.088

■ 77, 33.779,
281.088

■ 77, 33.779,
281.088

■ 71, 44.318,
283.250

■ 83, 23.514,
279.238

■ 64, 55.171,
285.757

■ 90, 13.500,
277.664

■ 58, 66.370,
288.617

■ 96, 3.718, 276.356

■ 52, 77.913,
291.785

■ 100, 1.959,
109.992

■ 47, 89.678,
295.137

■ 42, 101.290,
298.458

■ 40,108.079,
300.329

Harmonies

Complementary

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



77, 33.779, 281.088



91, 33.172, 91.566

Rectangle

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



77, 33.779, 281.088



77, 33.779, 331.088



77, 33.779, 101.088



77, 33.779, 151.088

Sweetspot

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



77, 33.778, 281.087



94, 9.829, 277.126



93, 30.980, 173.708



49, 6.716, 277.318



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, 33.778, 281.087



73, 41.802, 282.607



73, 46.756, 301.461



49, 5.493, 277.056



29, 85.717, 299.780



7, 33.382, 294.425

Inverse Universe

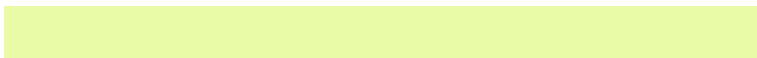
The Inverse Universe completely reimagines the original color for something new.



77, 34.391, 2.001



74, 42.509, 3.203



96, 43.294, 116.363



49, 5.495, 358.886



40, 71.033, 23.813



9, 30.675, 13.913

Previews

White Background



This preview shows how the CIELCh color 77, 33.779, 281.088 looks on a white background.

Color Contrast Check

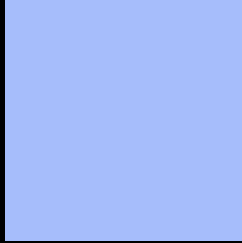
Large Text (above 18pt) WCAG AA × Fail

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, 33.779, 281.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

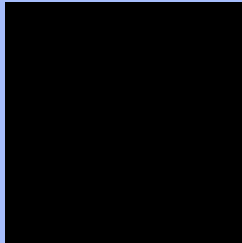
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

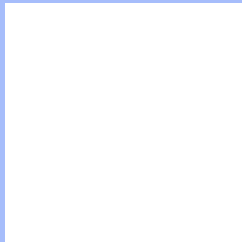
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 33.779, 281.088

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.779, 281.088.



This preview shows how white text looks on a background with the CIELCh color 77, 33.779, 281.088.

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, 33.779, 281.088

Protanopia

77, 33.996, 285.853

Deuteranopia

77, 35.024, 286.695



Tritanopia
77, 15.383, 232.768

Trichromacy



Original Color
77, 33.779, 281.088

Protanomaly
77, 33.580, 283.603

Deuteranomaly
77, 34.591, 284.524

Tritanomaly
77, 20.369, 259.995

Monochromacy



Original Color
77, 33.779, 281.088

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 12.611, 278.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.779, 281.088 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(166, 189, 251)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 251)  
}
```

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(166, 189, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.779, 281.088 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(166, 189, 251) }
```

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

```
.border{ border-color:rgb(166, 189, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 251);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.779, 281.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 251) }
```

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

```
.background{ background-color: rgb(166,  
189, 251) }
```

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