

Converting Colors

CIELCh(77, 37.663, 280.740)

Have a look what the booklet for
CIELCh(77, 37.663, 280.740)
contains.

CIELCh(77, 36.108, 279.848)	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, 36.108, 279.848)

Conversions

Conversions Part 1

Format	Color
Hex	A2BEFF
RGB	162, 190, 255
RGB Percent	64%, 75%, 100%
CMY	0.3664, 0.2566, 0.0000
CMYK	0.37, 0.26, 0.00, 0.00
HSL	222°, 100%, 82%
HSV	222°, 37%, 100%
XYZ	51.2782, 51.5317, 102.3556
YIQ	189.0380, -37.5530, 14.2790

Conversions

Conversions Part 2

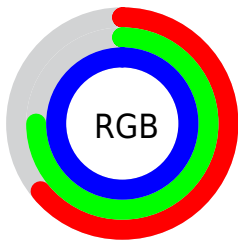
Format	Color
RYB	162, 184, 255
Decimal	10665727
CIELab	77.00, 6.18, -35.58
CIElCh	77, 36.108, 279.848
Yxy	51.5317, 0.2499, 0.2512
Android (android.graphics.Color)	4288855807 (0xFFA2BEFF)
YUV	189.0380, 32.5193, -23.7123
Hunter-Lab	71.7856, 1.8820, -34.2888

Details

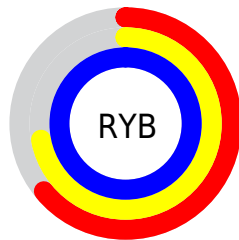
The CIELCh color **77, 36.108, 279.848** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **91, 35.504, 89.005**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 10.091, 226.286**, and **57, 35.468, 279.484** is the 20% darker color. If you saturate the color by 10%, you get **71, 46.083, 281.985**, and if you desaturate by 10%, it is **83, 25.757, 277.709**.

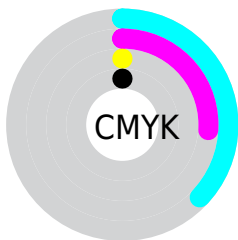
Distribution



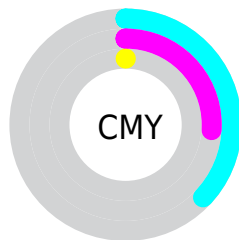
- Red (64%)
- Green (75%)
- Blue (100%)



- Red (64%)
- Yellow (72%)
- Blue (100%)



- Cyan (37%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 36.108, 279.848 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, 36.108, 279.848 by changing the saturation by 10% instead.

 77, 36.108,
279.848

 77, 36.108,
279.848


 100, 36.108,
279.848

 67, 36.108,
279.848

 97, 36.108,
279.848

 57, 36.108,
279.848

 47, 36.108,
279.848

 37, 36.108,
279.848

 27, 36.108,
279.848

 17, 36.108,
279.848

 7, 36.108, 279.848

■ 0, 36.108, 279.848

■ 77, 36.108,
279.848

■ 77, 36.108,
279.848

■ 71, 46.083,
281.985

■ 83, 25.757,
277.709

■ 65, 56.643,
284.653

■ 90, 15.928,
276.029

■ 59, 67.519,
287.684

■ 96, 6.297, 274.613

■ 53, 78.715,
291.022

100, 0.012,
296.813

■ 48, 90.125,
294.531

■ 43, 101.413,
297.981

■ 42,105.095,
299.044

Harmonies

Complementary

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



77, 36.108, 279.848



91, 35.504, 89.005

Rectangle

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



77, 36.108, 279.848



77, 36.108, 329.848



77, 36.108, 99.848



77, 36.108, 149.848

Sweetspot

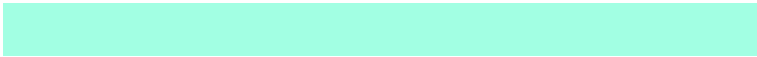
The Sweet Spot groups the original color and five complimentary colors.



77, 35.800, 279.681



93, 10.476, 275.198



94, 34.158, 172.193



49, 7.048, 275.391



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, 35.800, 279.681



72, 43.347, 281.343



71, 51.458, 301.226



50, 5.407, 274.991



31, 83.170, 298.458



8, 33.381, 293.576

Inverse Universe

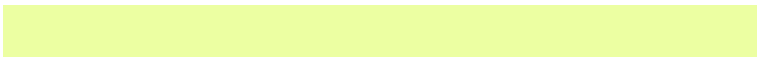
The Inverse Universe completely reimagines the original color for something new.



76, 38.153, 0.357



72, 46.039, 1.633



97, 47.222, 115.468



50, 5.665, 356.845



40, 70.699, 21.303



10, 31.463, 12.781

Previews

White Background



This preview shows how the CIELCh color 77, 36.108, 279.848 looks on a white background.

Color Contrast Check

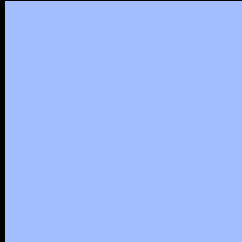
Large Text (above 18pt) WCAG AA × Fail

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, 36.108, 279.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

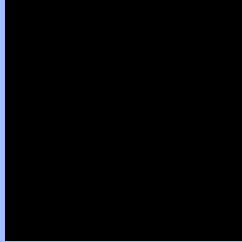
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

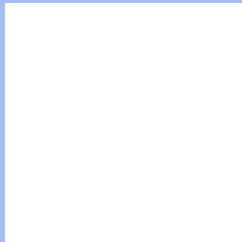
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 36.108, 279.848

Background



This preview shows how black text looks on a background with the CIELCh color 77, 36.108, 279.848.



This preview shows how white text looks on a background with the CIELCh color 77, 36.108, 279.848.

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, 35.563, 279.538

Protanopia

77, 35.641, 285.416

Deuteranopia

77, 36.694, 285.775



Tritanopia
77, 16.929, 229.167

Trichromacy



Original Color
77, 35.563, 279.538

Protanomaly
77, 35.755, 283.508

Deuteranomaly
77, 36.278, 283.722

Tritanomaly
77, 21.710, 256.640

Monochromacy



Original Color
77, 35.563, 279.538

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 13.278, 276.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 36.108, 279.848 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(162, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 190, 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(162, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 190, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 36.108, 279.848 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(162, 190, 255) }
```

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

```
.border{ border-color:rgb(162, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 190,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 36.108, 279.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 190, 255) }
```

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

```
.background{ background-color: rgb(162,  
190, 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](#).

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