

# Converting Colors

CIELCh(77, 21.804, 269.216)

Have a look what the booklet for  
CIELCh(77, 21.804, 269.216)  
contains.

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# **Color**

**CIELCh(77, 21.804, 269.216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6C0E6
RGB	166, 192, 230
RGB Percent	65%, 75%, 90%
CMY	0.3489, 0.2470, 0.0979
CMYK	0.28, 0.17, 0.00, 0.10
HSL	216°, 56%, 78%
HSV	216°, 28%, 90%
XYZ	48.8701, 51.5317, 82.2498
YIQ	188.5580, -27.6940, 6.3060

# Conversions

## Conversions Part 2

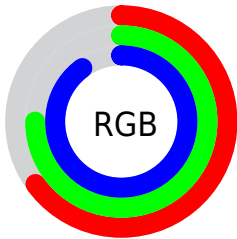
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 184, 230
Decimal	10928358
CIE <sub>Lab</sub>	77.00, -0.30, -21.80
CIE <sub>LCh</sub>	77, 21.804, 269.216
Yxy	51.5317, 0.2676, 0.2821
Android (android.graphics.Color)	4289118438 (0xFFA6C0E6)
YUV	188.5580, 20.4309, -19.7834
Hunter-Lab	71.7856, -4.1059, -17.6827

# Details

The CIELCh color **77, 21.804, 269.216** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **83, 22.559, 81.191**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 9.407, 221.445**, and **57, 21.405, 268.704** is the 20% darker color. If you saturate the color by 10%, you get **72, 29.706, 271.320**, and if you desaturate by 10%, it is **82, 13.933, 267.429**.

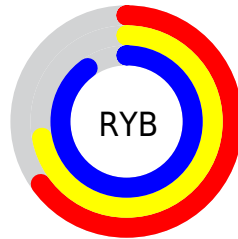
# Distribution



Red (65%)

Green (75%)

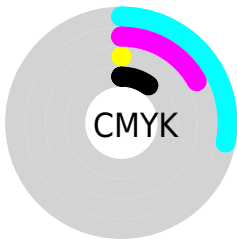
Blue (90%)



Red (65%)

Yellow (72%)

Blue (90%)

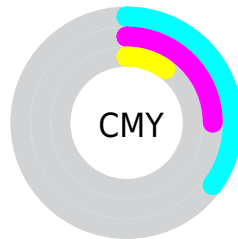


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (10%)



Cyan (35%)

Magenta (25%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 21.804, 269.216 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, 21.804, 269.216 by changing the saturation by 10% instead.



■ 77, 21.804,  
269.216

■ 77, 21.804,  
269.216

■ 100, 21.804,  
269.216

■ 67, 21.804,  
269.216

■ 97, 21.804,  
269.216

■ 57, 21.804,  
269.216

■ 47, 21.804,  
269.216

■ 37, 21.804,  
269.216

■ 27, 21.804,  
269.216

■ 17, 21.804,  
269.216

■ 7, 21.804, 269.216

0, 21.804, 269.216

77, 21.804,  
269.216

77, 21.804,  
269.216

72, 29.706,  
271.320

82, 13.933,  
267.429

67, 37.648,  
273.796

87, 6.102, 265.932

62, 45.652,  
276.683

92, 1.680, 84.378

97, 8.973, 89.796

57, 53.762,  
279.996

99, 12.641,  
109.222

53, 62.038,  
283.701

48, 70.531,  
287.686

■ 45, 79.223,  
291.736

■ 44, 81.138,  
292.563

# Harmonies

# Complementary

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



77, 21.804, 269.216



83, 22.559, 81.191

# Rectangle

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



77, 21.804, 269.216



77, 21.804, 319.216



77, 21.804, 89.216



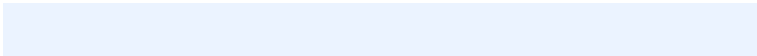
77, 21.804, 139.216

# Sweetspot

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



77, 21.803, 269.214



96, 6.784, 265.962



87, 26.448, 165.721



50, 4.823, 266.170



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, 21.803, 269.214



82, 28.148, 270.300



71, 35.131, 296.339



45, 4.423, 266.156



34, 65.944, 291.867



7, 23.092, 283.672



# Inverse Universe

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



75, 27.687, 351.859



79, 35.834, 352.547



90, 32.875, 111.107



45, 5.512, 349.837



38, 64.811, 10.919

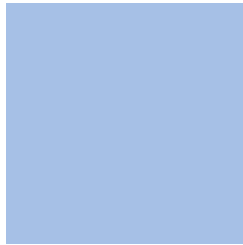


7, 26.939, 1.859



# Previews

## White Background



This preview shows how the CIELCh color 77, 21.804, 269.216 looks on a white background.

## Color Contrast Check

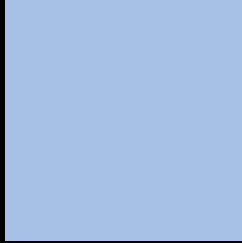
Large Text (above 18pt) WCAG AA × Fail

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, 21.804, 269.216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

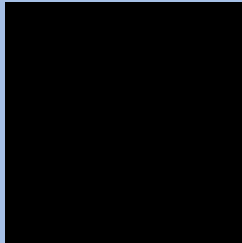
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

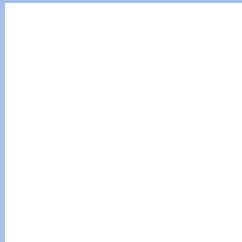
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 21.804, 269.216

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.804, 269.216.



This preview shows how white text looks on a background with the CIELCh color 77, 21.804, 269.216.

# 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, 21.804, 269.216

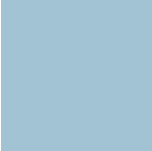
### Protanopia

77, 21.038, 285.698

### Deuteranopia

77, 24.218, 293.167





**Tritanopia**  
77, 13.868, 237.247

# Trichromacy



**Original Color**  
77, 21.804, 269.216

**Protanomaly**  
77, 21.277, 280.403

**Deuteranomaly**  
77, 23.225, 284.926

**Tritanomaly**  
77, 16.236, 251.793

# Monochromacy



**Original Color**  
77, 21.804, 269.216

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 8.107, 267.762

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 21.804, 269.216 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, 192, 230)` looks like.

```
.text, #text, p{  
    color:rgb(166, 192, 230)  
}
```

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, 192, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 192, 230) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 21.804, 269.216 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, 192, 230) }
```

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

```
.border{ border-color:rgb(166, 192, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 192, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 192, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 192, 230);  
box-shadow:4px 4px 4px 4px rgb(166, 192,  
230) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 21.804, 269.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 192, 230) }
```

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

```
.background{ background-color: rgb(166,  
192, 230) }
```

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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