

Converting Colors

CIELCh(77, 28.462, 251.414)

Have a look what the booklet for
CIELCh(77, 28.462, 251.414)
contains.

CIELCh(77, 28.474, 251.456)	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, 28.474, 251.456)

Conversions

Conversions Part 1

Format	Color
Hex	87C5EF
RGB	135, 197, 239
RGB Percent	53%, 77%, 94%
CMY	0.4691, 0.2260, 0.0613
CMYK	0.43, 0.18, 0.00, 0.06
HSL	204°, 77%, 73%
HSV	204°, 43%, 94%
XYZ	45.7344, 51.5317, 89.4880
YIQ	183.2500, -50.4340, -0.0820

Conversions

Conversions Part 2

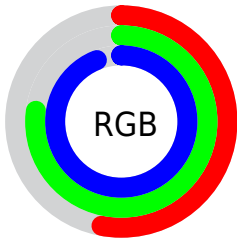
Format	Color
RYB	135, 174, 239
Decimal	8898031
CIELab	77.00, -9.06, -27.00
CIELCh	77, 28.474, 251.456
Yxy	51.5317, 0.2449, 0.2759
Android (android.graphics.Color)	4287088111 (0xFF87C5EF)
YUV	183.2500, 27.4847, -42.3152
Hunter-Lab	71.7856, -11.9030, -23.6610

Details

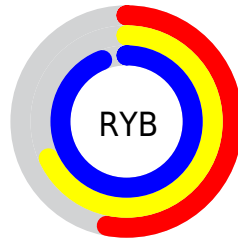
The CIELCh color **77, 28.474, 251.456** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77, 34.983, 60.013**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.172, 199.644**, and **57, 28.641, 251.813** is the 20% darker color. If you saturate the color by 10%, you get **73, 34.211, 254.127**, and if you desaturate by 10%, it is **81, 22.382, 249.260**.

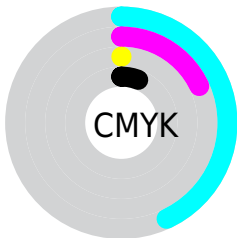
Distribution



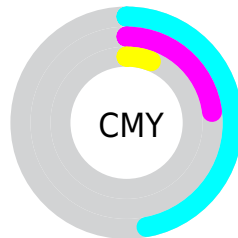
- Red (53%)
- Green (77%)
- Blue (94%)



- Red (53%)
- Yellow (68%)
- Blue (94%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (23%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 28.474, 251.456 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, 28.474, 251.456 by changing the saturation by 10% instead.

■ 77, 28.474,
251.456

■ 77, 28.474,
251.456

■ 100, 28.474,
251.456

■ 67, 28.474,
251.456

■ 97, 28.474,
251.456

■ 57, 28.474,
251.456

■ 47, 28.474,
251.456

■ 37, 28.474,
251.456

■ 27, 28.474,
251.456

■ 17, 28.474,
251.456

■ 7, 28.474, 251.456

0, 28.474, 251.456

77, 28.474,
251.456

77, 28.474,
251.456

73, 34.211,
254.127

81, 22.382,
249.260

70, 39.586,
257.350

85, 15.975,
247.466

66, 44.636,
261.172

89, 9.303, 246.010

63, 49.455,
265.586

93, 2.420, 244.947

60, 54.199,
270.488

97, 4.609, 63.809

100, 7.909,
109.576

58, 57.381,
273.781

Harmonies

Complementary

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



77, 28.474, 251.456



77, 34.983, 60.013

Rectangle

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



77, 28.474, 251.456



77, 28.474, 301.456



77, 28.474, 71.456



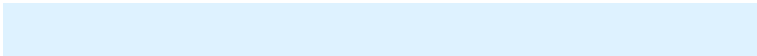
77, 28.474, 121.456

Sweetspot

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



77, 28.473, 251.455



94, 9.472, 245.958



87, 48.539, 154.443



49, 6.607, 246.250



0, 0.000, 0.000



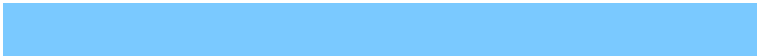
53, 0.007, 296.813

Same Dimension

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



77, 28.473, 251.455



78, 35.145, 253.758



63, 52.244, 292.282



48, 3.957, 245.521



45, 46.389, 272.865



12, 18.144, 264.468

Inverse Universe

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



69, 49.702, 342.714



69, 61.696, 343.760



90, 47.653, 101.136



47, 6.480, 339.502



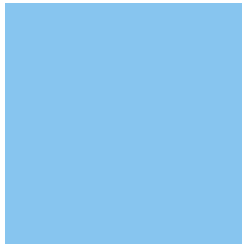
40, 68.170, 353.222



9, 30.600, 348.550

Previews

White Background



This preview shows how the CIELCh color 77, 28.474, 251.456 looks on a white background.

Color Contrast Check

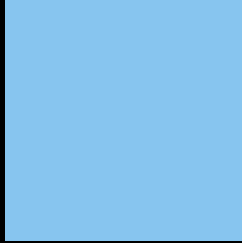
Large Text (above 18pt) WCAG AA × Fail

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, 28.474, 251.456 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

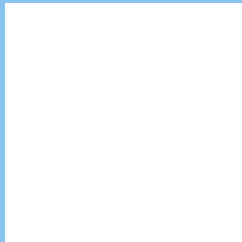
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 28.474, 251.456

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.474, 251.456.



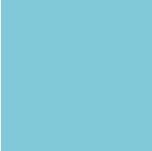
This preview shows how white text looks on a background with the CIELCh color 77, 28.474, 251.456.

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](#).

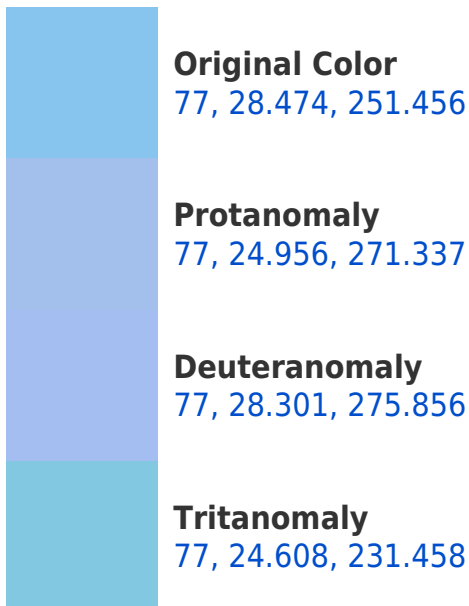
Dichromacy



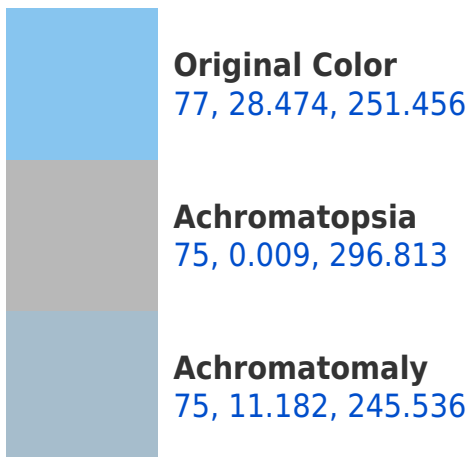


Tritanopia
77, 23.785, 219.269

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.474, 251.456 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(135, 197, 239)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 239)  
}
```

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(135, 197, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.474, 251.456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

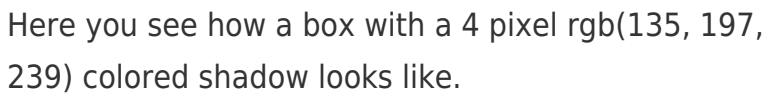
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 197, 239) }
```

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

```
.border{ border-color:rgb(135, 197, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 197, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 197, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 197, 239); box-shadow:4px 4px 4px 4px rgb(135, 197, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.474, 251.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 239) }
```

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

```
.background{ background-color: rgb(135,  
197, 239) }
```

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