

Converting Colors

CIELCh(77, 38.084, 250.326)

Have a look what the booklet for
CIELCh(77, 38.084, 250.326)
contains.

CIELCh(77, 37.861, 250.093)	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, 37.861, 250.093)

Conversions

Conversions Part 1

Format	Color
Hex	67C8FF
RGB	103, 200, 255
RGB Percent	40%, 78%, 100%
CMY	0.5951, 0.2149, 0.0000
CMYK	0.60, 0.21, 0.00, 0.00
HSL	202°, 100%, 70%
HSV	202°, 60%, 100%
XYZ	44.4043, 51.5317, 102.3912
YIQ	177.2670, -75.4670, -3.4590

Conversions

Conversions Part 2

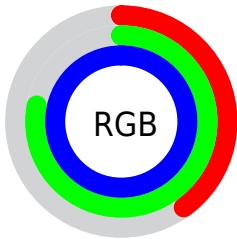
Format	Color
R _Y B	103, 162, 255
Decimal	6801663
CIE Lab	77.00, -12.89, -35.60
CIE LCh	77, 37.861, 250.093
Yxy	51.5317, 0.2239, 0.2598
Android (android.graphics.Color)	4284991743 (0xFF67C8FF)
YUV	177.2670, 38.3224, -65.1322
Hunter-Lab	71.7856, -15.2104, -34.3182

Details

The CIELCh color **77, 37.861, 250.093** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 53.438, 54.473**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **57, 37.877, 250.186** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.595, 253.428**, and if you desaturate by 10%, it is **81, 32.489, 247.084**.

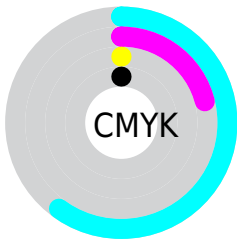
Distribution



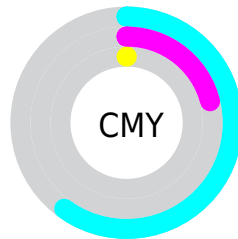
- Red (40%)
- Green (78%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 37.861, 250.093 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, 37.861, 250.093 by changing the saturation by 10% instead.


 77, 37.861,
250.093

 77, 37.861,
250.093


 100, 37.861,
250.093


 67, 37.861,
250.093


 97, 37.861,
250.093

 57, 37.861,
250.093

 47, 37.861,
250.093

 37, 37.861,
250.093

 27, 37.861,
250.093

 17, 37.861,
250.093

 7, 37.861, 250.093

■ 0, 37.861, 250.093

■ 77, 37.861,
250.093

■ 77, 37.861,
250.093

■ 74, 42.595,
253.428

■ 81, 32.489,
247.084

■ 70, 46.977,
257.560

■ 84, 26.698,
244.754

■ 67, 51.073,
262.313

■ 88, 20.454,
242.872

■ 65, 55.116,
267.475

■ 92, 13.819,
241.360

■ 64, 55.320,
267.720

■ 96, 6.862, 240.169

100, 0.012,
296.813

Harmonies

Complementary

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



77, 37.861, 250.093



74, 53.438, 54.473

Rectangle

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



77, 37.861, 250.093



77, 37.861, 300.093



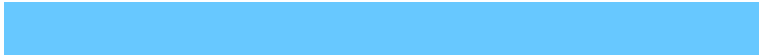
77, 37.861, 70.093



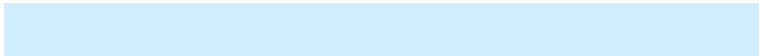
77, 37.861, 120.093

Sweetspot

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



77, 37.787, 249.950



93, 12.784, 241.160



90, 70.870, 150.051



48, 8.833, 241.551



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, 37.787, 249.950



73, 43.270, 254.000



57, 73.131, 293.802



51, 4.101, 240.168



49, 44.018, 266.746



15, 18.704, 259.475

Inverse Universe

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



66, 70.901, 342.377



62, 80.329, 344.005



92, 64.451, 96.440



50, 7.028, 337.526



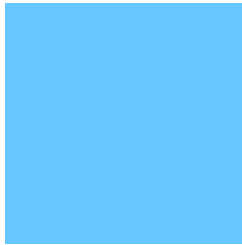
42, 71.704, 349.701



11, 33.814, 346.266

Previews

White Background



This preview shows how the CIELCh color 77, 37.861, 250.093 looks on a white background.

Color Contrast Check

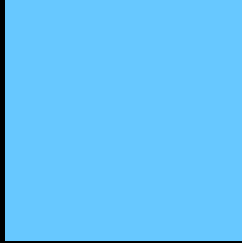
Large Text (above 18pt) WCAG AA × Fail

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, 37.861, 250.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

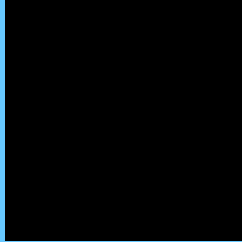
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

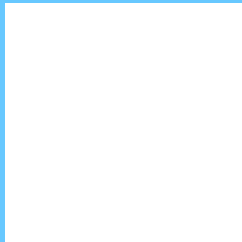
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 37.861, 250.093

Background



This preview shows how black text looks on a background with the CIELCh color 77, 37.861, 250.093.

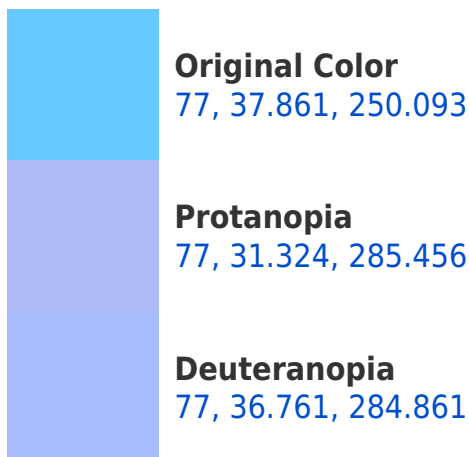


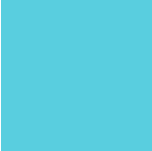
This preview shows how white text looks on a background with the CIELCh color 77, 37.861, 250.093.

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, 33.340, 213.303

Trichromacy



Original Color
77, 37.861, 250.093

Protanomaly
77, 32.758, 269.250

Deuteranomaly
77, 35.892, 270.704

Tritanomaly
77, 33.479, 227.712

Monochromacy



Original Color
77, 37.861, 250.093

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 15.699, 242.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 37.861, 250.093 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(103, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 200, 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(103, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 200, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 37.861, 250.093 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(103, 200, 255) }
```

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

```
.border{ border-color:rgb(103, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 200,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 37.861, 250.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 200, 255) }
```

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

```
.background{ background-color: rgb(103,  
200, 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](#).

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