

Converting Colors

CIELCh(77, 41.301, 240.794)

Have a look what the booklet for
CIELCh(77, 41.301, 240.794)
contains.

CIELCh(77, 41.086, 239.981)	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, 41.086, 239.981)

Conversions

Conversions Part 1

Format	Color
Hex	41CCFF
RGB	65, 204, 255
RGB Percent	25%, 80%, 100%
CMY	0.7450, 0.2000, 0.0000
CMYK	0.75, 0.20, 0.00, 0.00
HSL	196°, 100%, 63%
HSV	196°, 75%, 100%
XYZ	41.8246, 51.5317, 102.3536
YIQ	168.2530, -99.2150, -13.6070

Conversions

Conversions Part 2

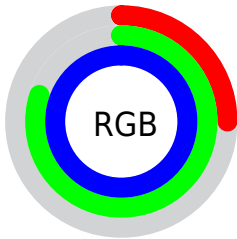
Format	Color
R _{YB}	65, 145, 255
Decimal	4312319
CIE _{Lab}	77.00, -20.55, -35.57
CIE _{LCh}	77, 41.086, 239.981
Y _{xy}	51.5317, 0.2137, 0.2633
Android (android.graphics.Color)	4282502399 (0xFF41CCFF)
YUV	168.2530, 42.7663, -90.5529
Hunter-Lab	71.7856, -21.6249, -34.2872

Details

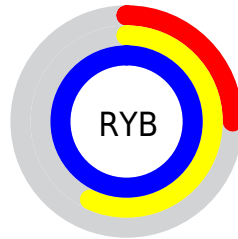
The CIELCh color **77, 41.086, 239.981** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **65, 72.486, 46.441**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **58, 37.556, 244.908** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.799, 243.821**, and if you desaturate by 10%, it is **80, 37.686, 236.831**.

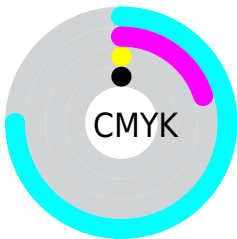
Distribution



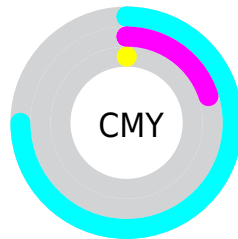
- Red (25%)
- Green (80%)
- Blue (100%)



- Red (25%)
- Yellow (57%)
- Blue (100%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 41.086, 239.981 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, 41.086, 239.981 by changing the saturation by 10% instead.


 77, 41.086,
239.981


 77, 41.086,
239.981


 100, 41.086,
239.981


 67, 41.086,
239.981


 97, 41.086,
239.981

 57, 41.086,
239.981

 47, 41.086,
239.981

 37, 41.086,
239.981

 27, 41.086,
239.981

 17, 41.086,
239.981

 7, 41.086, 239.981

0, 41.086, 239.981

77, 41.086,
239.981

77, 41.086,
239.981

75, 43.799,
243.821

80, 37.686,
236.831

72, 45.995,
248.367

82, 33.542,
234.312

71, 47.111,
251.058

85, 28.660,
232.326

88, 23.101,
230.778

92, 16.953,
229.585

95, 10.313,
228.685

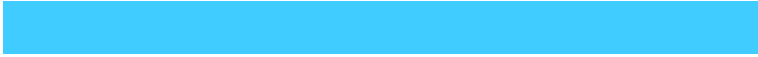
98, 3.278, 228.108

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, 41.086, 239.981



65, 72.486, 46.441

Rectangle

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



77, 41.086, 239.981



77, 41.086, 289.981



77, 41.086, 59.981



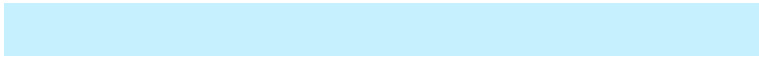
77, 41.086, 109.981

Sweetspot

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



77, 41.083, 239.977



92, 15.333, 229.334



89, 90.951, 144.477



48, 10.221, 229.607



0, 0.000, 0.000



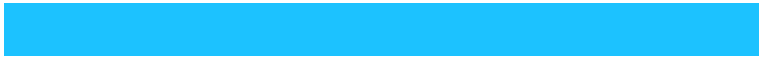
53, 0.007, 296.813

Same Dimension

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



77, 41.083, 239.977



74, 44.837, 245.782



51, 84.038, 294.050



51, 4.092, 228.338



55, 37.710, 250.127



17, 16.722, 243.465

Inverse Universe

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



61, 87.377, 339.263



58, 93.262, 341.183



86, 73.361, 88.745



50, 7.508, 333.644



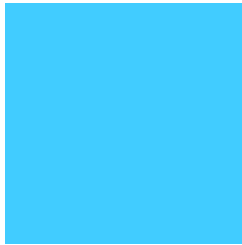
43, 75.879, 342.664



11, 35.702, 340.477

Previews

White Background



This preview shows how the CIELCh color 77, 41.086, 239.981 looks on a white background.

Color Contrast Check

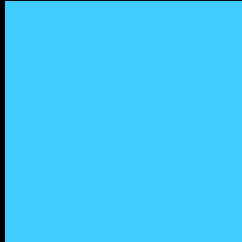
Large Text (above 18pt) WCAG AA × Fail

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, 41.086, 239.981 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

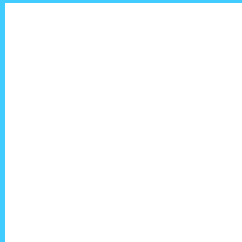
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 41.086, 239.981

Background



This preview shows how black text looks on a background with the CIELCh color 77, 41.086, 239.981.

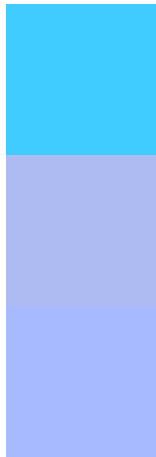


This preview shows how white text looks on a background with the CIELCh color 77, 41.086, 239.981.

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, 41.086, 239.981

Protanopia

77, 29.739, 284.852

Deuteranopia

76, 37.321, 285.074



Tritanopia
77, 40.044, 210.127

Trichromacy



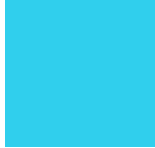
Original Color
77, 41.086, 239.981



Protanomaly
76, 32.978, 261.334



Deuteranomaly
76, 36.817, 264.677



Tritanomaly
77, 39.377, 221.543

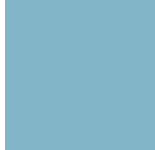
Monochromacy



Original Color
77, 41.086, 239.981



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.996, 231.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 41.086, 239.981 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(65, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 204, 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(65, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 204, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 41.086, 239.981 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(65, 204, 255) }
```

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

```
.border{ border-color:rgb(65, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 204,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 41.086, 239.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 204, 255) }
```

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

```
.background{ background-color: rgb(65, 204,  
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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