

Converting Colors

CIELCh(77, 42.449, 236.420)

Have a look what the booklet for
CIELCh(77, 42.449, 236.420)
contains.

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Color

CIELCh(77, 42.600, 237.054)

Conversions

Conversions Part 1

Format	Color
Hex	2BCDFF
RGB	43, 205, 255
RGB Percent	17%, 80%, 100%
CMY	0.8329, 0.1950, 0.0000
CMYK	0.83, 0.20, 0.00, 0.00
HSL	194°, 100%, 58%
HSV	194°, 83%, 100%
XYZ	40.9684, 51.5317, 102.6274
YIQ	162.2620, -112.6020, -18.7940

Conversions

Conversions Part 2

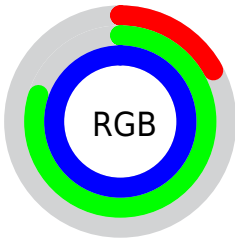
Format	Color
R _Y B	43, 135, 255
Decimal	2870783
CIE Lab	77.00, -23.17, -35.75
CIE LCh	77, 42.600, 237.054
Yxy	51.5317, 0.2100, 0.2641
Android (android.graphics.Color)	4281060863 (0xFF2BCDFF)
YUV	162.2620, 45.7198, -104.5928
Hunter-Lab	71.7856, -23.7540, -34.5133

Details

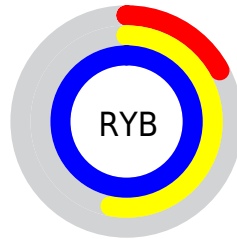
The CIELCh color **77, 42.600, 237.054** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **61, 83.781, 44.558**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **58, 37.365, 243.843** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.269, 240.893**, and if you desaturate by 10%, it is **79, 40.140, 233.516**.

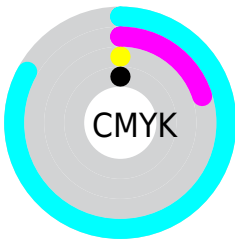
Distribution



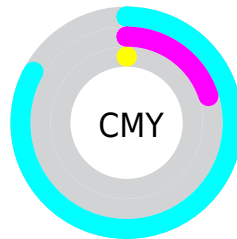
- Red (17%)
- Green (80%)
- Blue (100%)



- Red (17%)
- Yellow (53%)
- Blue (100%)



- Cyan (83%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (83%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.600, 237.054 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, 42.600, 237.054 by changing the saturation by 10% instead.


 77, 42.600,
237.054

 77, 42.600,
237.054


 100, 42.600,
237.054


 67, 42.600,
237.054


 97, 42.600,
237.054

 57, 42.600,
237.054

 47, 42.600,
237.054

 37, 42.600,
237.054

 27, 42.600,
237.054

 17, 42.600,
237.054

 7, 42.600, 237.054

0, 42.600, 237.054

77, 42.600,
237.054

77, 42.600,
237.054

75, 44.269,
240.893

79, 40.140,
233.516

74, 45.219,
243.910

81, 36.942,
230.832

84, 32.905,
228.719

87, 28.060,
227.082

90, 22.487,
225.833

93, 16.285,
224.898

■ 96, 9.563, 224.221

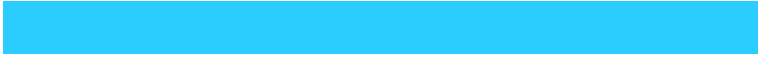
■ 99, 2.424, 223.905

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, 42.600, 237.054



61, 83.781, 44.558

Rectangle

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



77, 42.600, 237.054



77, 42.600, 287.054



77, 42.600, 57.054



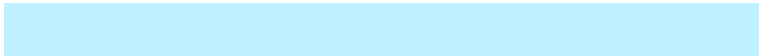
77, 42.600, 107.054

Sweetspot

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



77, 42.538, 236.856



92, 17.389, 225.039



88, 100.786, 141.862



48, 11.724, 225.352



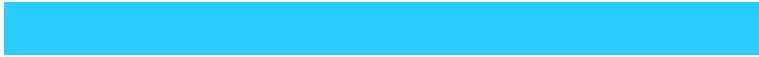
0, 0.000, 0.000



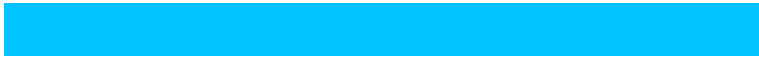
53, 0.007, 296.813

Same Dimension

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



77, 42.538, 236.856



74, 45.219, 243.910



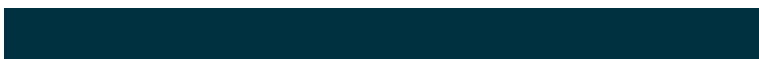
48, 90.650, 295.175



52, 4.132, 224.033



57, 36.280, 243.048



18, 16.337, 236.985

Inverse Universe

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



59, 93.795, 338.438



57, 96.207, 340.615



83, 77.857, 84.704



50, 7.693, 332.337



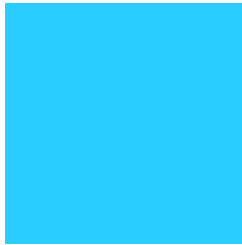
43, 77.715, 340.348



11, 36.493, 338.556

Previews

White Background



This preview shows how the CIE LCh color 77, 42.600, 237.054 looks on a white background.

Color Contrast Check

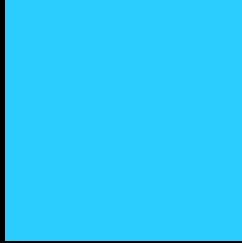
Large Text (above 18pt) WCAG AA × Fail

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, 42.600, 237.054 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, 42.600, 237.054

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.600, 237.054.



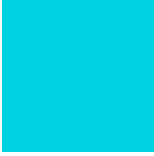
This preview shows how white text looks on a background with the CIELCh color 77, 42.600, 237.054.

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, 41.784, 208.674

Trichromacy



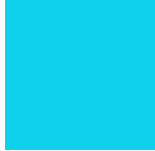
Original Color
77, 42.543, 237.120



Protanomaly
76, 33.397, 258.109



Deuteranomaly
76, 37.736, 261.777

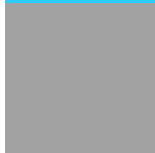


Tritanomaly
77, 41.240, 219.407

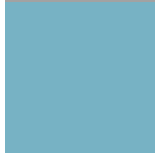
Monochromacy



Original Color
77, 42.543, 237.120



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 20.984, 226.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.600, 237.054 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(43, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 205, 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(43, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 205, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.600, 237.054 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(43, 205, 255) }
```

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

```
.border{ border-color:rgb(43, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 205,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.600, 237.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 205, 255) }
```

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

```
.background{ background-color: rgb(43, 205,  
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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