

Converting Colors

CIELCh(77, 36.358, 230.277)

Have a look what the booklet for
CIELCh(77, 36.358, 230.277)
contains.

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Color

CIELCh(77, 36.337, 230.000)

Conversions

Conversions Part 1

Format	Color
Hex	51CDF1
RGB	81, 205, 241
RGB Percent	32%, 80%, 95%
CMY	0.6843, 0.1976, 0.0565
CMYK	0.67, 0.15, 0.00, 0.06
HSL	193°, 85%, 63%
HSV	193°, 67%, 94%
XYZ	40.9069, 51.5317, 90.6973
YIQ	172.0280, -85.4600, -15.0920

Conversions

Conversions Part 2

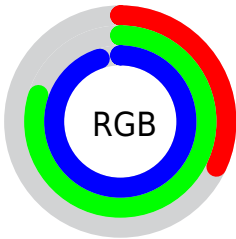
Format	Color
R_{YB}	81, 151, 241
Decimal	5361137
CIE _{Lab}	77.00, -23.36, -27.84
CIE _{LCh}	77, 36.337, 230.000
Yxy	51.5317, 0.2234, 0.2814
Android (android.graphics.Color)	4283551217 (0xFF51CDF1)
YUV	172.0280, 34.0032, -79.8316
Hunter-Lab	71.7856, -23.9069, -24.6599

Details

The CIELCh color **77, 36.337, 230.000** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **63, 61.646, 42.897**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **58, 34.309, 232.025** is the 20% darker color. If you saturate the color by 10%, you get **75, 39.079, 232.746**, and if you desaturate by 10%, it is **79, 32.775, 227.832**.

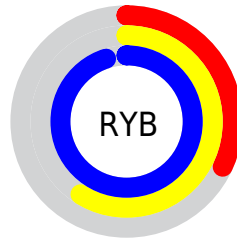
Distribution



Red (32%)

Green (80%)

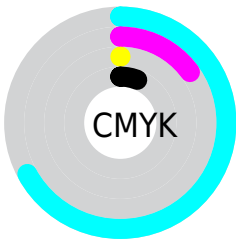
Blue (95%)



Red (32%)

Yellow (59%)

Blue (95%)

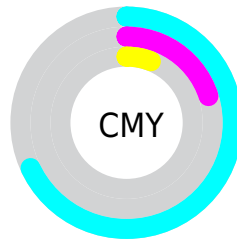


Cyan (67%)

Magenta (15%)

Yellow (0%)

Black (6%)



Cyan (68%)

Magenta (20%)

Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 36.337, 230.000 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, 36.337, 230.000 by changing the saturation by 10% instead.


 77, 36.337,
230.000

 77, 36.337,
230.000


 100, 36.337,
230.000


 67, 36.337,
230.000


 97, 36.337,
230.000

 57, 36.337,
230.000

 47, 36.337,
230.000

 37, 36.337,
230.000

 27, 36.337,
230.000

 17, 36.337,
230.000

 7, 36.337, 230.000

0, 36.337, 230.000

77, 36.337,
230.000

77, 36.337,
230.000

75, 39.079,
232.746

79, 32.775,
227.832

73, 41.062,
236.150

82, 28.413,
226.151

71, 42.438,
240.234

84, 23.315,
224.869

71, 42.865,
241.729

87, 17.575,
223.910

90, 11.297,
223.213

93, 4.583, 222.774

■ 96, 2.473, 42.025

■ 98, 4.469, 75.240

■ 99, 6.452, 104.261

Harmonies

Complementary

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



77, 36.337, 230.000



63, 61.646, 42.897

Rectangle

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



77, 36.337, 230.000



77, 36.337, 280.000



77, 36.337, 50.000



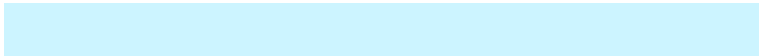
77, 36.337, 100.000

Sweetspot

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



77, 36.336, 229.999



94, 14.174, 223.431



85, 82.451, 144.196



49, 9.587, 223.627



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, 36.336, 229.999



78, 41.692, 233.930



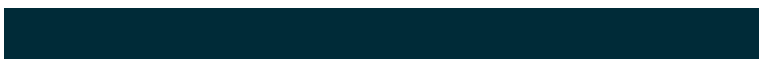
55, 65.833, 288.615



49, 3.942, 222.868



55, 34.887, 240.908



16, 14.942, 234.143

Inverse Universe

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



61, 80.136, 336.273



60, 92.985, 337.580



81, 61.873, 86.061



47, 7.361, 331.986



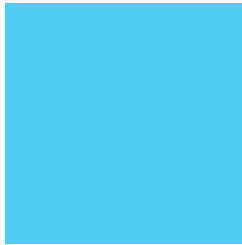
41, 75.936, 339.698



9, 33.919, 337.762

Previews

White Background



This preview shows how the CIE LCh color 77, 36.337, 230.000 looks on a white background.

Color Contrast Check

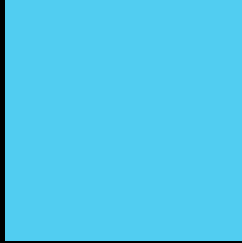
Large Text (above 18pt) WCAG AA × Fail

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, 36.337, 230.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

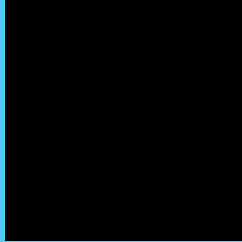
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 36.337, 230.000

Background



This preview shows how black text looks on a background with the CIELCh color 77, 36.337, 230.000.

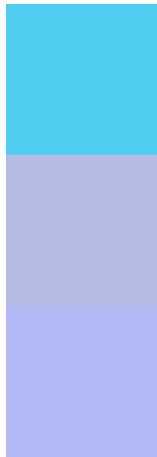


This preview shows how white text looks on a background with the CIELCh color 77, 36.337, 230.000.

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, 36.337, 230.000

Protanopia

77, 22.123, 286.143

Deuteranopia

77, 31.778, 287.887



Tritanopia
77, 36.301, 211.772

Trichromacy



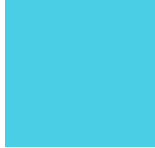
Original Color
77, 36.337, 230.000



Protanomaly
76, 25.754, 256.021



Deuteranomaly
76, 30.281, 262.221

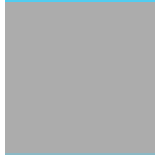


Tritanomaly
77, 35.976, 218.436

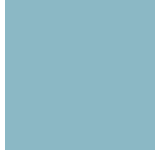
Monochromacy



Original Color
77, 36.337, 230.000



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 16.433, 224.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 36.337, 230.000 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(81, 205, 241)` looks like.

```
.text, #text, p{  
    color:rgb(81, 205, 241)  
}
```

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(81, 205, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 205, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 36.337, 230.000 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(81, 205, 241) }
```

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

```
.border{ border-color:rgb(81, 205, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 205, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 205, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 205, 241);  
box-shadow:4px 4px 4px 4px rgb(81, 205,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 36.337, 230.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 205, 241) }
```

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

```
.background{ background-color: rgb(81, 205,  
241) }
```

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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