

Converting Colors

CIELCh(75, 39.965, 239.553)

Have a look what the booklet for
CIELCh(75, 39.965, 239.553)
contains.

CIELCh(75, 39.927, 239.676)	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(75, 39.927, 239.676)

Conversions

Conversions Part 1

Format	Color
Hex	40C6F7
RGB	64, 198, 247
RGB Percent	25%, 78%, 97%
CMY	0.7481, 0.2229, 0.0308
CMYK	0.74, 0.20, 0.00, 0.03
HSL	196°, 92%, 61%
HSV	196°, 74%, 97%
XYZ	39.1694, 48.2781, 95.3739
YIQ	163.5200, -95.5930, -13.1690

Conversions

Conversions Part 2

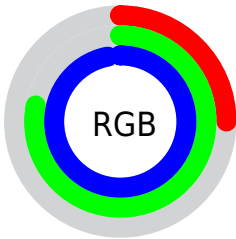
Format	Color
RYB	64, 141, 247
Decimal	4245239
CIELab	75.00, -20.16, -34.46
CIELCh	75, 39.927, 239.676
Yxy	48.2781, 0.2142, 0.2641
Android (android.graphics.Color)	4282435319 (0xFF40C6F7)
YUV	163.5200, 41.1556, -87.2790
Hunter-Lab	69.4824, -20.9684, -32.7457

Details

The CIELCh color **75, 39.927, 239.676** 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 **63, 70.108, 46.391**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **56, 36.381, 244.699** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.605, 243.463**, and if you desaturate by 10%, it is **78, 36.575, 236.581**.

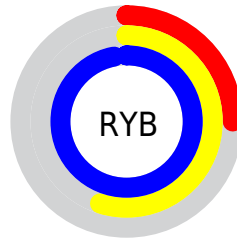
Distribution



Red (25%)

Green (78%)

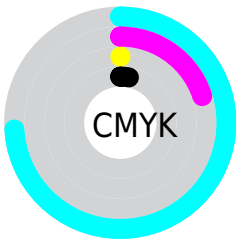
Blue (97%)



Red (25%)

Yellow (55%)

Blue (97%)

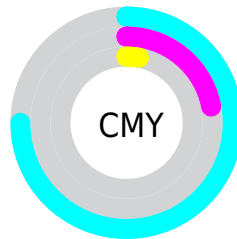


Cyan (74%)

Magenta (20%)

Yellow (0%)

Black (3%)



Cyan (75%)


Magenta (22%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.927, 239.676 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 75, 39.927, 239.676 by changing the saturation by 10% instead.


 75, 39.927,
239.676


 75, 39.927,
239.676


 100, 39.927,
239.676


 65, 39.927,
239.676


 95, 39.927,
239.676

 55, 39.927,
239.676

 45, 39.927,
239.676

 35, 39.927,
239.676

 25, 39.927,
239.676

 15, 39.927,
239.676

 5, 39.927, 239.676

0, 39.927, 239.676

75, 39.927,
239.676

75, 39.927,
239.676

73, 42.605,
243.463

78, 36.575,
236.581

71, 44.764,
247.954

80, 32.494,
234.105

69, 45.950,
250.869

83, 27.696,
232.154

86, 22.242,
230.634

89, 16.220,
229.464

93, 9.724, 228.582

■ 96, 2.847, 228.040

■ 99, 2.418, 75.500

■ 100, 3.967,
109.862

Harmonies

Complementary

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



75, 39.927, 239.676



63, 70.108, 46.391

Rectangle

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



75, 39.927, 239.676



75, 39.927, 289.676



75, 39.927, 59.676



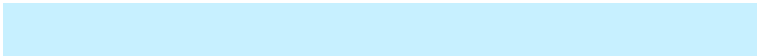
75, 39.927, 109.676

Sweetspot

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



75, 39.926, 239.676



92, 15.334, 229.269



86, 88.265, 144.585



48, 10.221, 229.541



0, 0.000, 0.000



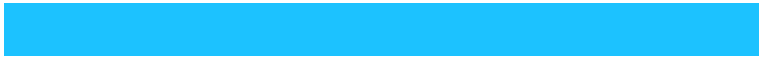
53, 0.007, 296.813

Same Dimension

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



75, 39.926, 239.676



74, 44.816, 245.688



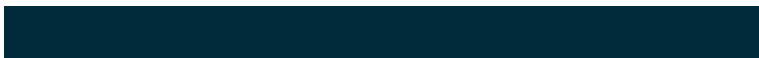
50, 81.313, 293.854



49, 3.958, 228.273



53, 36.911, 249.928



16, 15.778, 242.601

Inverse Universe

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



60, 84.978, 339.164



58, 93.293, 341.153



84, 71.190, 88.834



48, 7.263, 333.622



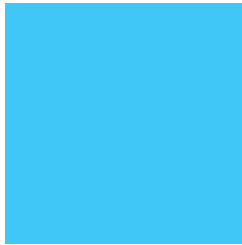
42, 74.417, 342.595



10, 33.916, 340.210

Previews

White Background



This preview shows how the CIELCh color 75, 39.927, 239.676 looks on a white background.

Color Contrast Check

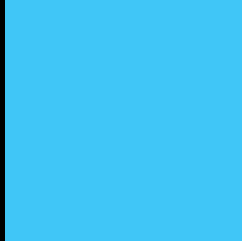
Large Text (above 18pt) WCAG AA × Fail

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 75, 39.927, 239.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

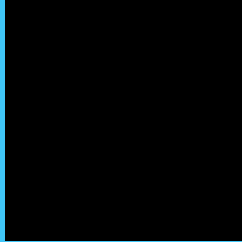
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

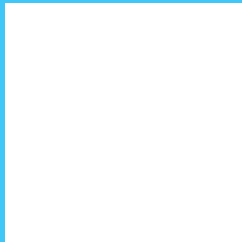
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 39.927, 239.676

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.927, 239.676.

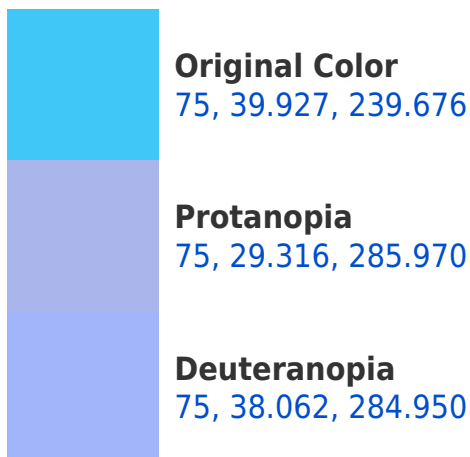


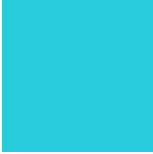
This preview shows how white text looks on a background with the CIELCh color 75, 39.927, 239.676.

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
75, 38.918, 210.620

Trichromacy



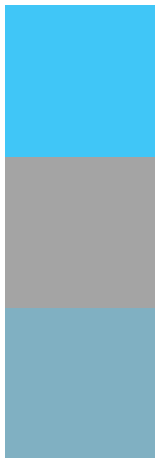
Original Color
75, 39.927, 239.676

Protanomaly
74, 31.752, 261.995

Deuteranomaly
74, 37.302, 265.831

Tritanomaly
75, 38.279, 221.550

Monochromacy



Original Color
75, 39.927, 239.676

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 18.308, 231.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.927, 239.676 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(64, 198, 247)` looks like.

```
.text, #text, p{  
    color:rgb(64, 198, 247)  
}
```

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(64, 198, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 198, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.927, 239.676 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(64, 198, 247) }
```

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

```
.border{ border-color:rgb(64, 198, 247) }
```

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

Here you see how a box with a 4 pixel rgb(64, 198, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 198, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 198, 247);  
box-shadow:4px 4px 4px 4px rgb(64, 198,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.927, 239.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 198, 247) }
```

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

```
.background{ background-color: rgb(64, 198,  
247) }
```

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