

Converting Colors

CIELCh(75, 39.486, 226.871)

Have a look what the booklet for
CIELCh(75, 39.486, 226.871)
contains.

CIELCh(75, 39.519, 227.029)	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, 39.519, 227.029)

Conversions

Conversions Part 1

Format	Color
Hex	2BC9ED
RGB	43, 201, 237
RGB Percent	17%, 79%, 93%
CMY	0.8331, 0.2126, 0.0715
CMYK	0.82, 0.15, 0.00, 0.07
HSL	191°, 84%, 55%
HSV	191°, 82%, 93%
XYZ	37.0674, 48.2781, 87.3163
YIQ	157.8620, -105.7240, -22.3000

Conversions

Conversions Part 2

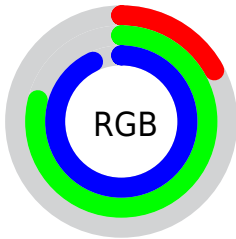
Format	Color
R_{YB}	43, 130, 237
Decimal	2869741
CIE _{Lab}	75.00, -26.94, -28.92
CIE _{LCh}	75, 39.519, 227.029
Yxy	48.2781, 0.2147, 0.2796
Android (android.graphics.Color)	4281059821 (0xFF2BC9ED)
YUV	157.8620, 39.0150, -100.7340
Hunter-Lab	69.4824, -26.3684, -25.8701

Details

The CIELCh color **75, 39.519, 227.029** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **56, 79.482, 41.847**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **56, 33.795, 232.850** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.745, 230.138**, and if you desaturate by 10%, it is **77, 37.499, 224.522**.

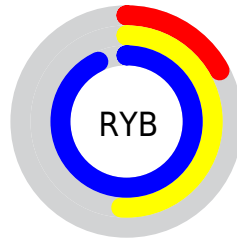
Distribution



Red (17%)

Green (79%)

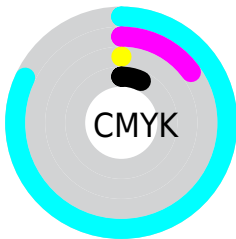
Blue (93%)



Red (17%)

Yellow (51%)

Blue (93%)

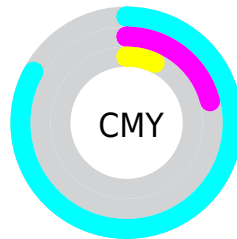


Cyan (82%)

Magenta (15%)

Yellow (0%)

Black (7%)



Cyan (83%)


Magenta (21%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.519, 227.029 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, 39.519, 227.029 by changing the saturation by 10% instead.


 75, 39.519,
227.029


 75, 39.519,
227.029


 100, 39.519,
227.029


 65, 39.519,
227.029


 95, 39.519,
227.029


 55, 39.519,
227.029

 45, 39.519,
227.029

 35, 39.519,
227.029

 25, 39.519,
227.029

 15, 39.519,
227.029

 5, 39.519, 227.029

0, 39.519, 227.029

75, 39.519,
227.029

75, 39.519,
227.029

73, 40.745,
230.138

77, 37.499,
224.522

72, 41.337,
232.997

79, 34.602,
222.554

81, 30.821,
221.044

83, 26.208,
219.911

85, 20.856,
219.086

88, 14.871,
218.509

 90, 8.365, 218.143

 93, 1.445, 218.250

 96, 5.567, 38.332

Harmonies

Complementary

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



75, 39.519, 227.029



56, 79.482, 41.847

Rectangle

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



75, 39.519, 227.029



75, 39.519, 277.029



75, 39.519, 47.029



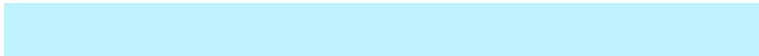
75, 39.519, 97.029

Sweetspot

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



75, 39.518, 227.029



93, 17.740, 218.663



83, 97.241, 140.722



49, 11.951, 218.864



0, 0.000, 0.000



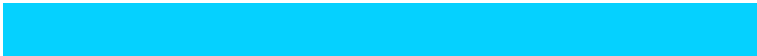
53, 0.007, 296.813

Same Dimension

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



75, 39.518, 227.029



78, 43.587, 232.427



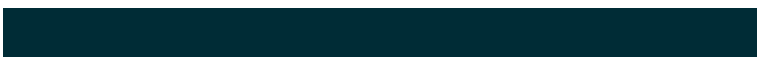
48, 77.780, 291.753



48, 3.949, 218.086



56, 33.775, 232.300



16, 14.419, 226.394

Inverse Universe

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



56, 91.057, 335.746



58, 99.711, 337.288



75, 71.338, 80.747



46, 7.438, 330.577



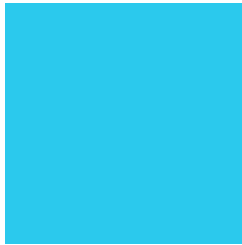
41, 77.383, 337.260



9, 33.824, 335.707

Previews

White Background



This preview shows how the CIE LCh color 75, 39.519, 227.029 looks on a white background.

Color Contrast Check

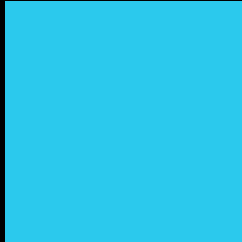
Large Text (above 18pt) WCAG AA × Fail

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, 39.519, 227.029 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, 39.519, 227.029

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.519, 227.029.

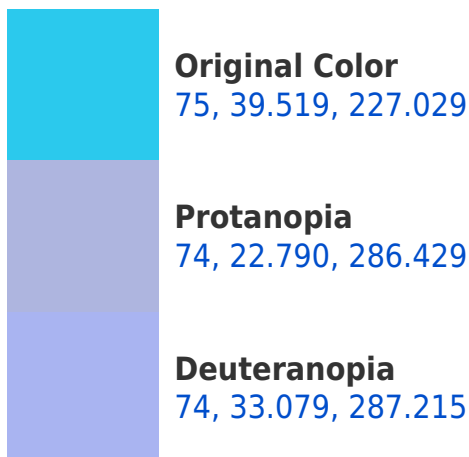


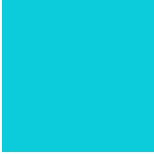
This preview shows how white text looks on a background with the CIELCh color 75, 39.519, 227.029.

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, 40.561, 209.137

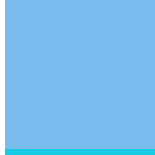
Trichromacy



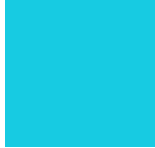
Original Color
75, 39.519, 227.029



Protanomaly
74, 27.836, 250.152



Deuteranomaly
74, 32.528, 257.413

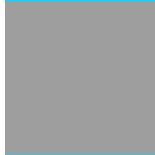


Tritanomaly
75, 39.963, 215.179

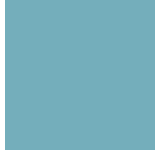
Monochromacy



Original Color
75, 39.519, 227.029



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 19.981, 219.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.519, 227.029 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, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(43, 201, 237)  
}
```

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, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 201, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.519, 227.029 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, 201, 237) }
```

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

```
.border{ border-color:rgb(43, 201, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 201, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(43, 201,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.519, 227.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 201, 237) }
```

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

```
.background{ background-color: rgb(43, 201,  
237) }
```

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