

Converting Colors

CIELCh(76, 39.101, 231.091)

Have a look what the booklet for
CIELCh(76, 39.101, 231.091)
contains.

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Color

CIELCh(76, 38.962, 230.369)

Conversions

Conversions Part 1

Format	Color
Hex	3BCBF2
RGB	59, 203, 242
RGB Percent	23%, 80%, 95%
CMY	0.7704, 0.2050, 0.0521
CMYK	0.76, 0.16, 0.00, 0.05
HSL	193°, 87%, 59%
HSV	193°, 76%, 95%
XYZ	39.0487, 49.8872, 91.3458
YIQ	164.3900, -98.3430, -18.3990

Conversions

Conversions Part 2

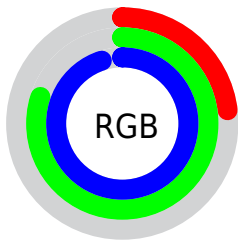
Format	Color
R_{YB}	59, 140, 242
Decimal	3918834
CIE _{Lab}	76.00, -24.85, -30.01
CIE _{LCh}	76, 38.962, 230.369
Yxy	49.8872, 0.2166, 0.2767
Android (android.graphics.Color)	4282108914 (0xFF3BCBF2)
YUV	164.3900, 38.2617, -92.4270
Hunter-Lab	70.6309, -24.9193, -27.2371

Details

The CIELCh color **76, 38.962, 230.369** 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 **60, 72.796, 42.798**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **57, 34.646, 235.352** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.895, 233.545**, and if you desaturate by 10%, it is **78, 36.224, 227.823**.

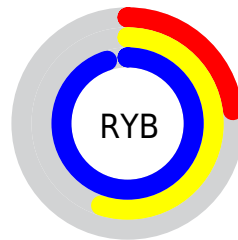
Distribution



Red (23%)

Green (80%)

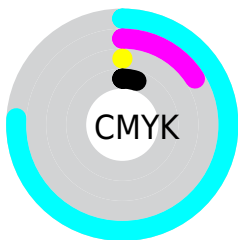
Blue (95%)



Red (23%)

Yellow (55%)

Blue (95%)

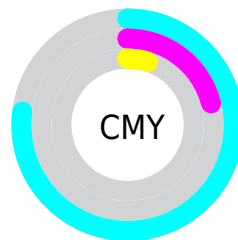


Cyan (76%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (77%)


Magenta (21%)


Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 38.962, 230.369 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 76, 38.962, 230.369 by changing the saturation by 10% instead.


 76, 38.962,
230.369

 76, 38.962,
230.369


 100, 38.962,
230.369


 66, 38.962,
230.369


 96, 38.962,
230.369

 56, 38.962,
230.369

 46, 38.962,
230.369

 36, 38.962,
230.369

 26, 38.962,
230.369

 16, 38.962,
230.369

 6, 38.962, 230.369

0, 38.962, 230.369

76, 38.962,
230.369

76, 38.962,
230.369

74, 40.895,
233.545

78, 36.224,
227.823

72, 42.165,
237.392

80, 32.638,
225.827

72, 42.610,
239.143

83, 28.227,
224.292

85, 23.065,
223.132

88, 17.251,
222.276

91, 10.892,
221.667

■ 94, 4.092, 221.318

■ 97, 3.052, 40.663

■ 98, 4.265, 79.954

Harmonies

Complementary

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



76, 38.962, 230.369



60, 72.796, 42.798

Rectangle

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



76, 38.962, 230.369



76, 38.962, 280.369



76, 38.962, 50.369



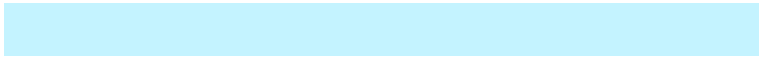
76, 38.962, 100.369

Sweetspot

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



76, 38.961, 230.369



93, 16.222, 222.088



85, 92.582, 142.199



49, 11.092, 222.343



0, 0.000, 0.000



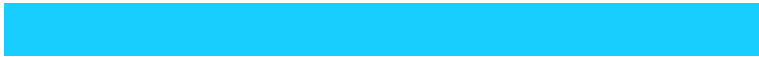
53, 0.007, 296.813

Same Dimension

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



76, 38.961, 230.369



77, 43.384, 235.573



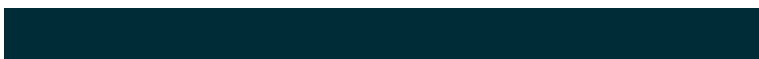
51, 74.367, 290.624



49, 3.963, 221.405



56, 34.583, 238.344



16, 14.891, 231.900

Inverse Universe

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



58, 87.662, 336.546



58, 97.223, 338.128



79, 68.804, 83.248



47, 7.424, 331.553



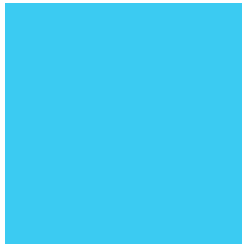
41, 76.597, 338.945



9, 34.180, 337.152

Previews

White Background



This preview shows how the CIE LCh color 76, 38.962, 230.369 looks on a white background.

Color Contrast Check

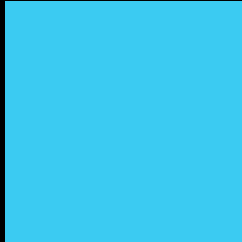
Large Text (above 18pt) WCAG AA × Fail

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 76, 38.962, 230.369 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 76, 38.962, 230.369

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.962, 230.369.

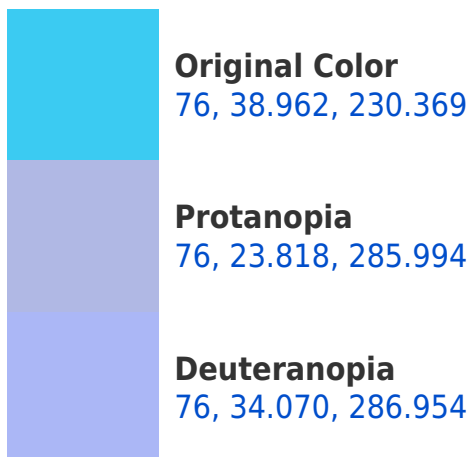


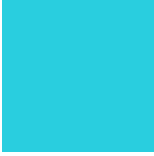
This preview shows how white text looks on a background with the CIELCh color 76, 38.962, 230.369.

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
76, 39.332, 210.431

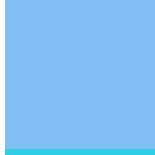
Trichromacy



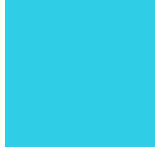
Original Color
76, 38.962, 230.369



Protanomaly
75, 27.937, 253.420



Deuteranomaly
75, 33.149, 261.094

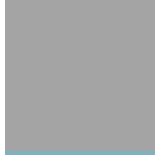


Tritanomaly
76, 38.810, 217.536

Monochromacy



Original Color
76, 38.962, 230.369



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 18.527, 222.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.962, 230.369 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(59, 203, 242)` looks like.

```
.text, #text, p{  
    color:rgb(59, 203, 242)  
}
```

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(59, 203, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 203, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.962, 230.369 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(59, 203, 242) }
```

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

```
.border{ border-color:rgb(59, 203, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 203, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 203, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 203, 242);  
box-shadow:4px 4px 4px 4px rgb(59, 203,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.962, 230.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 203, 242) }
```

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

```
.background{ background-color: rgb(59, 203,  
242) }
```

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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