

Converting Colors

CIELCh(76, 38.637, 225.988)

Have a look what the booklet for
CIELCh(76, 38.637, 225.988)
contains.

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Color

CIELCh(76, 38.720, 226.746)

Conversions

Conversions Part 1

Format	Color
Hex	38CBEE
RGB	56, 203, 238
RGB Percent	22%, 80%, 93%
CMY	0.7821, 0.2026, 0.0653
CMYK	0.77, 0.15, 0.00, 0.07
HSL	191°, 85%, 58%
HSV	191°, 77%, 93%
XYZ	38.5214, 49.8872, 88.7462
YIQ	163.0370, -98.8470, -20.2790

Conversions

Conversions Part 2

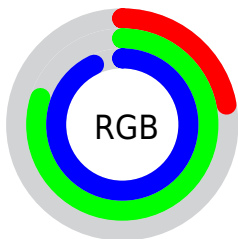
Format	Color
R _{YB}	56, 137, 238
Decimal	3722222
CIE Lab	76.00, -26.53, -28.20
CIE LCh	76, 38.720, 226.746
Yxy	49.8872, 0.2174, 0.2816
Android (android.graphics.Color)	4281912302 (0xFF38CBEE)
YUV	163.0370, 36.9568, -93.8714
Hunter-Lab	70.6309, -26.2519, -25.0550

Details

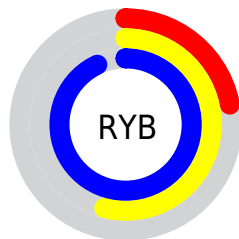
The CIELCh color **76, 38.720, 226.746** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 73.791, 41.596**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **57, 33.871, 231.439** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.400, 229.634**, and if you desaturate by 10%, it is **78, 36.198, 224.446**.

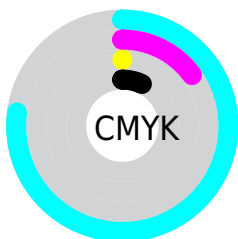
Distribution



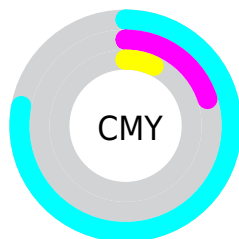
- Red (22%)
- Green (80%)
- Blue (93%)



- Red (22%)
- Yellow (54%)
- Blue (93%)



- Cyan (77%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)





- Cyan (78%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 38.720, 226.746 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, 38.720, 226.746 by changing the saturation by 10% instead.

 76, 38.720,
226.746

 76, 38.720,
226.746


 100, 38.720,
226.746


 66, 38.720,
226.746


 96, 38.720,
226.746

 56, 38.720,
226.746

 46, 38.720,
226.746

 36, 38.720,
226.746

 26, 38.720,
226.746

 16, 38.720,
226.746

 6, 38.720, 226.746

■ 0, 38.720, 226.746

■ 76, 38.720,
226.746

■ 76, 38.720,
226.746

■ 74, 40.400,
229.634

■ 78, 36.198,
224.446

■ 73, 41.381,
233.150

■ 80, 32.794,
222.657

■ 72, 41.643,
234.393

■ 82, 28.534,
221.295

■ 84, 23.491,
220.282

■ 87, 17.769,
219.552

■ 90, 11.476,
219.052

■ 92, 4.723, 218.784

■ 95, 2.392, 38.181

■ 97, 4.876, 58.885

Harmonies

Complementary

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



76, 38.720, 226.746



58, 73.791, 41.596

Rectangle

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



76, 38.720, 226.746



76, 38.720, 276.746



76, 38.720, 46.746



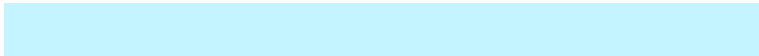
76, 38.720, 96.746

Sweetspot

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



76, 38.719, 226.745



93, 16.381, 219.347



83, 93.377, 141.581



49, 11.197, 219.553



0, 0.000, 0.000



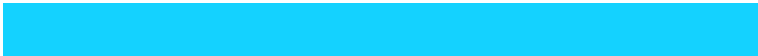
53, 0.007, 296.813

Same Dimension

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



76, 38.719, 226.745



78, 43.180, 231.546



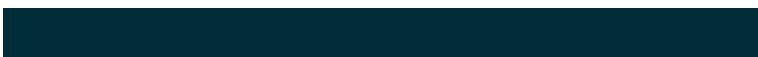
51, 72.611, 289.869



49, 4.006, 218.827



57, 34.202, 233.700



16, 14.851, 227.886

Inverse Universe

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



57, 88.484, 335.596



58, 98.862, 337.028



77, 68.197, 81.702



47, 7.537, 330.795



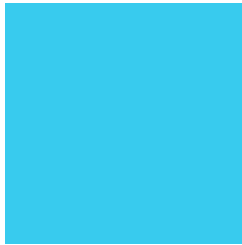
42, 77.817, 337.640



9, 34.660, 336.092

Previews

White Background



This preview shows how the CIELCh color 76, 38.720, 226.746 looks on a white background.

Color Contrast Check

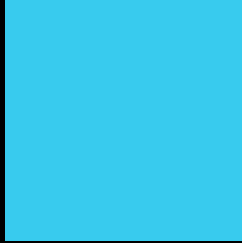
Large Text (above 18pt) WCAG AA × Fail

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, 38.720, 226.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

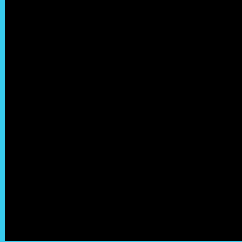
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 38.720, 226.746

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.720, 226.746.

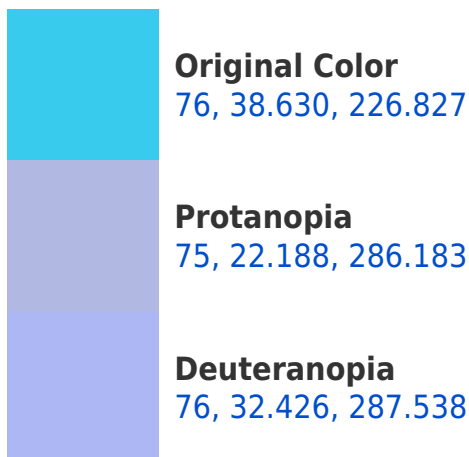


This preview shows how white text looks on a background with the CIELCh color 76, 38.720, 226.746.

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



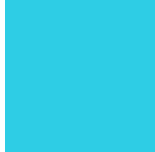
Original Color
76, 38.630, 226.827



Protanomaly
75, 26.796, 250.876



Deuteranomaly
75, 31.872, 259.204

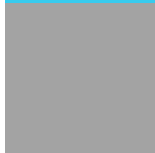


Tritanomaly
76, 38.849, 216.638

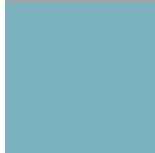
Monochromacy



Original Color
76, 38.630, 226.827



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.780, 218.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.720, 226.746 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(56, 203, 238)` looks like.

```
.text, #text, p{  
    color:rgb(56, 203, 238)  
}
```

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(56, 203, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 203, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.720, 226.746 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(56, 203, 238) }
```

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

```
.border{ border-color:rgb(56, 203, 238) }
```

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

Here you see how a box with a 4 pixel rgb(56, 203, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 203, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 203, 238);  
box-shadow:4px 4px 4px 4px rgb(56, 203,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.720, 226.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 203, 238) }
```

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

```
.background{ background-color: rgb(56, 203,  
238) }
```

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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