

Converting Colors

CIELCh(76, 21.717, 266.440)

Have a look what the booklet for
CIELCh(76, 21.717, 266.440)
contains.

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Color

CIELCh(76, 21.707, 266.312)

Conversions

Conversions Part 1

Format	Color
Hex	A1BEE3
RGB	161, 190, 227
RGB Percent	63%, 75%, 89%
CMY	0.3690, 0.2553, 0.1102
CMYK	0.29, 0.16, 0.00, 0.11
HSL	214°, 54%, 76%
HSV	214°, 29%, 89%
XYZ	46.9172, 49.8872, 79.7503
YIQ	185.5470, -29.1610, 5.3590

Conversions

Conversions Part 2

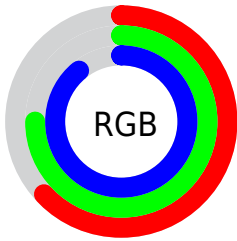
Format	Color
R _Y B	161, 181, 227
Decimal	10600163
CIE Lab	76.00, -1.40, -21.66
CIE LCh	76, 21.707, 266.312
Yxy	49.8872, 0.2657, 0.2826
Android (android.graphics.Color)	4288790243 (0xFFA1BEE3)
YUV	185.5470, 20.4363, -21.5277
Hunter-Lab	70.6309, -5.0338, -17.5035

Details

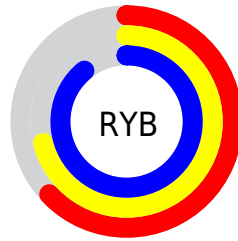
The CIELCh color $76, 21.707, 266.312$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $81, 22.837, 77.885$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 10.671, 224.654$, and $56, 21.795, 266.527$ is the 20% darker color. If you saturate the color by 10%, you get $71, 29.140, 268.477$, and if you desaturate by 10%, it is $81, 14.251, 264.479$.

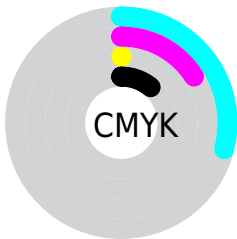
Distribution



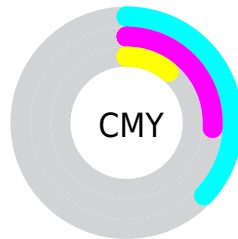
- Red (63%)
- Green (75%)
- Blue (89%)



- Red (63%)
- Yellow (71%)
- Blue (89%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (37%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 21.707, 266.312 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, 21.707, 266.312 by changing the saturation by 10% instead.

■ 76, 21.707,
266.312

■ 76, 21.707,
266.312

■ 100, 21.707,
266.312

■ 66, 21.707,
266.312

■ 96, 21.707,
266.312

■ 56, 21.707,
266.312

■ 46, 21.707,
266.312

■ 36, 21.707,
266.312

■ 26, 21.707,
266.312

■ 16, 21.707,
266.312

■ 6, 21.707, 266.312

■ 0, 21.707, 266.312

■ 76, 21.707,
266.312

■ 76, 21.707,
266.312

■ 71, 29.140,
268.477

■ 81, 14.251,
264.479

■ 66, 36.554,
271.034

■ 86, 6.786, 262.945

■ 62, 43.967,
274.023

■ 91, 0.672, 81.040

■ 96, 8.106, 80.381

■ 57, 51.423,
277.463

■ 99, 13.481,
106.819

■ 53, 58.990,
281.317

■ 99, 14.223,
109.103

■ 49, 66.742,
285.474

■ 45, 74.713,
289.685

■ 45, 75.455,
290.046

Harmonies

Complementary

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



76, 21.707, 266.312



81, 22.837, 77.885

Rectangle

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



76, 21.707, 266.312



76, 21.707, 316.312



76, 21.707, 86.312



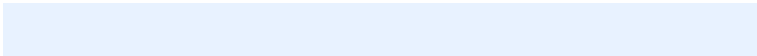
76, 21.707, 136.312

Sweetspot

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



76, 21.706, 266.310



95, 7.389, 262.942



85, 28.019, 163.661



50, 5.134, 263.147



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, 21.706, 266.310



81, 28.698, 267.597



69, 36.381, 295.393



45, 4.203, 262.994



35, 61.300, 289.298



7, 20.907, 280.158

Inverse Universe

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



73, 29.166, 349.937



78, 38.681, 350.711



89, 33.908, 109.550



44, 5.523, 347.834



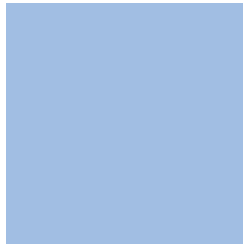
37, 63.924, 7.643



6, 25.923, 359.089

Previews

White Background



This preview shows how the CIE LCh color 76, 21.707, 266.312 looks on a white background.

Color Contrast Check

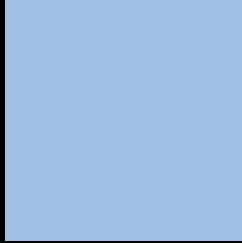
Large Text (above 18pt) WCAG AA × Fail

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, 21.707, 266.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

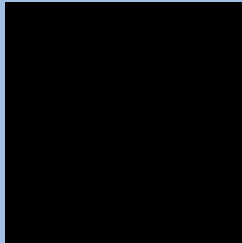
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

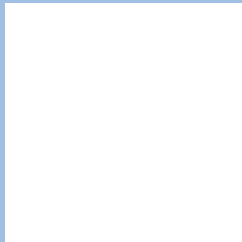
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 21.707, 266.312

Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.707, 266.312.



This preview shows how white text looks on a background with the CIELCh color 76, 21.707, 266.312.

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

76, 21.707, 266.312

Protanopia

76, 21.072, 286.634

Deuteranopia

76, 24.290, 293.198



Tritanopia
76, 14.374, 233.033

Trichromacy



Original Color
76, 21.707, 266.312

Protanomaly
76, 20.920, 278.308

Deuteranomaly
76, 22.776, 283.901

Tritanomaly
76, 16.469, 247.892

Monochromacy



Original Color
76, 21.707, 266.312

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 7.944, 261.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 21.707, 266.312 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(161, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(161, 190, 227)  
}
```

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(161, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 190, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 21.707, 266.312 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(161, 190, 227) }
```

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

```
.border{ border-color:rgb(161, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 190, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 190, 227);  
box-shadow:4px 4px 4px 4px rgb(161, 190,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 21.707, 266.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 190, 227) }
```

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

```
.background{ background-color: rgb(161,  
190, 227) }
```

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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