

Converting Colors

CIELCh(76, 22.330, 255.120)

Have a look what the booklet for
CIELCh(76, 22.330, 255.120)
contains.

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Color

CIELCh(76, 22.633, 255.694)

Conversions

Conversions Part 1

Format	Color
Hex	96C0E3
RGB	150, 192, 227
RGB Percent	59%, 75%, 89%
CMY	0.4107, 0.2460, 0.1087
CMYK	0.34, 0.15, 0.00, 0.11
HSL	207°, 58%, 74%
HSV	207°, 34%, 89%
XYZ	45.4383, 49.8872, 80.1080
YIQ	183.4320, -36.2670, 1.9810

Conversions

Conversions Part 2

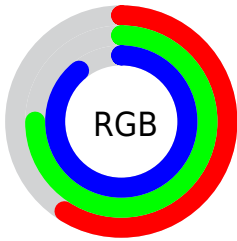
Format	Color
R_{YB}	150, 177, 227
Decimal	9879779
CIE _{Lab}	76.00, -5.59, -21.93
CIE _{LCh}	76, 22.633, 255.694
Yxy	49.8872, 0.2590, 0.2844
Android (android.graphics.Color)	4288069859 (0xFF96C0E3)
YUV	183.4320, 21.4790, -29.3199
Hunter-Lab	70.6309, -8.7713, -17.8038

Details

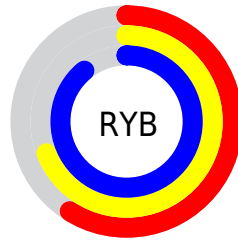
The CIELCh color `76, 22.633, 255.694` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `78, 25.603, 66.409`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 14.277, 213.262`, and `56, 22.753, 255.340` is the 20% darker color. If you saturate the color by 10%, you get `72, 28.905, 258.007`, and if you desaturate by 10%, it is `80, 16.147, 253.772`.

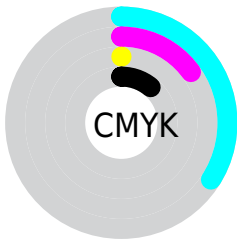
Distribution



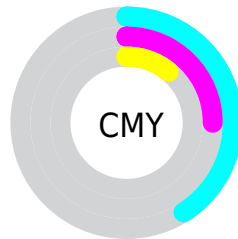
- Red (59%)
- Green (75%)
- Blue (89%)



- Red (59%)
- Yellow (69%)
- Blue (89%)



- Cyan (34%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)





- Cyan (41%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 22.633, 255.694 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, 22.633, 255.694 by changing the saturation by 10% instead.


 76, 22.633,
255.694


 76, 22.633,
255.694


 100, 22.633,
255.694


 66, 22.633,
255.694


 96, 22.633,
255.694

 56, 22.633,
255.694

 46, 22.633,
255.694

 36, 22.633,
255.694

 26, 22.633,
255.694

 16, 22.633,
255.694

 6, 22.633, 255.694

0, 22.633, 255.694

76, 22.633,
255.694

76, 22.633,
255.694

72, 28.905,
258.007

80, 16.147,
253.772

68, 34.947,
260.784

84, 9.483, 252.187

64, 40.766,
264.082

89, 2.679, 250.967

93, 4.227, 69.573

60, 46.409,
267.926

97, 9.384, 84.052

57, 51.972,
272.283

99, 13.662,
108.016

54, 57.590,
277.022

99, 14.027,
109.117

■ 52, 61.132,
279.929

Harmonies

Complementary

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



76, 22.633, 255.694



78, 25.603, 66.409

Rectangle

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



76, 22.633, 255.694



76, 22.633, 305.694



76, 22.633, 75.694



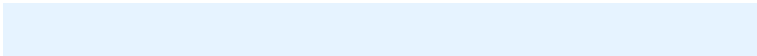
76, 22.633, 125.694

Sweetspot

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



76, 22.632, 255.692



95, 7.526, 251.665



85, 35.222, 157.911



50, 5.128, 251.853



0, 0.000, 0.000



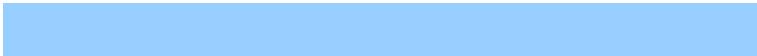
53, 0.007, 296.813

Same Dimension

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



76, 22.632, 255.692



81, 29.762, 257.358



66, 40.565, 292.583



46, 3.926, 251.587



41, 50.282, 279.109



9, 18.308, 270.019

Inverse Universe

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



71, 36.244, 344.353



75, 47.990, 345.199



88, 37.591, 104.659



45, 6.036, 342.000



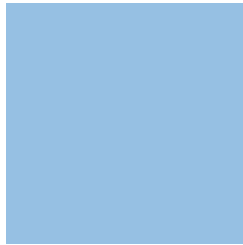
39, 65.547, 357.653



7, 28.114, 351.576

Previews

White Background



This preview shows how the CIE LCh color 76, 22.633, 255.694 looks on a white background.

Color Contrast Check

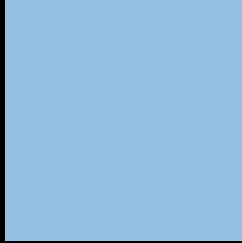
Large Text (above 18pt) WCAG AA × Fail

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, 22.633, 255.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

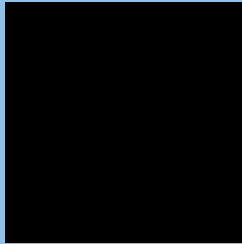
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

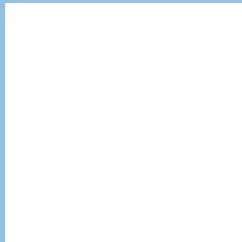
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 22.633, 255.694

Background



This preview shows how black text looks on a background with the CIELCh color 76, 22.633, 255.694.



This preview shows how white text looks on a background with the CIELCh color 76, 22.633, 255.694.

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, 22.633, 255.694

Protanopia

76, 20.003, 286.215

Deuteranopia

76, 24.828, 293.226



Tritanopia
76, 17.985, 227.184

Trichromacy



Original Color
76, 22.633, 255.694

Protanomaly
76, 20.190, 273.812

Deuteranomaly
76, 22.965, 280.695

Tritanomaly
76, 19.033, 239.421

Monochromacy



Original Color
76, 22.633, 255.694

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 8.679, 253.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 22.633, 255.694 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(150, 192, 227)` looks like.

```
.text, #text, p{  
    color:rgb(150, 192, 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(150, 192, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 192, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 22.633, 255.694 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(150, 192, 227) }
```

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

```
.border{ border-color:rgb(150, 192, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 192, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 192, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 192, 227); box-shadow:4px 4px 4px 4px rgb(150, 192, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 22.633, 255.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 192, 227) }
```

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

```
.background{ background-color: rgb(150,  
192, 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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