

Converting Colors

CIELCh(76, 24.457, 235.002)

Have a look what the booklet for
CIELCh(76, 24.457, 235.002)
contains.

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Color

CIELCh(76, 24.453, 234.971)

Conversions

Conversions Part 1

Format	Color
Hex	83C5E0
RGB	131, 197, 224
RGB Percent	51%, 77%, 88%
CMY	0.4880, 0.2291, 0.1233
CMYK	0.42, 0.12, 0.00, 0.12
HSL	197°, 60%, 69%
HSV	197°, 42%, 88%
XYZ	42.5576, 49.8872, 77.5957
YIQ	180.3440, -48.0030, -5.5950

Conversions

Conversions Part 2

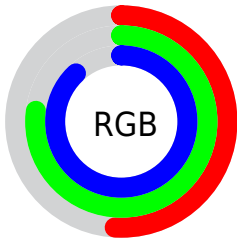
Format	Color
R_{YB}	131, 170, 224
Decimal	8635872
CIE _{Lab}	76.00, -14.04, -20.02
CIE _{LCh}	76, 24.453, 234.971
Yxy	49.8872, 0.2503, 0.2934
Android (android.graphics.Color)	4286825952 (0xFF83C5E0)
YUV	180.3440, 21.5224, -43.2747
Hunter-Lab	70.6309, -16.0516, -15.6949

Details

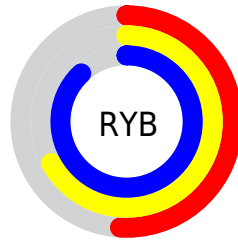
The CIELCh color **76, 24.453, 234.971** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 32.050, 48.299**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.643, 199.454**, and **56, 24.587, 235.519** is the 20% darker color. If you saturate the color by 10%, you get **73, 29.137, 236.952**, and if you desaturate by 10%, it is **79, 19.224, 233.409**.

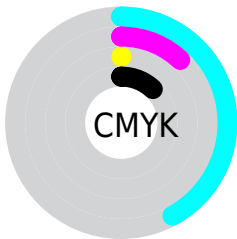
Distribution



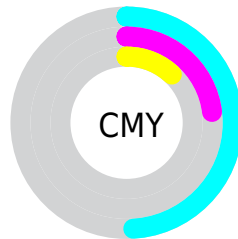
- Red (51%)
- Green (77%)
- Blue (88%)



- Red (51%)
- Yellow (67%)
- Blue (88%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)





- Cyan (49%)
- Magenta (23%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 24.453, 234.971 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, 24.453, 234.971 by changing the saturation by 10% instead.


 76, 24.453,
234.971


 76, 24.453,
234.971


 100, 24.453,
234.971


 66, 24.453,
234.971


 96, 24.453,
234.971

 56, 24.453,
234.971

 46, 24.453,
234.971

 36, 24.453,
234.971

 26, 24.453,
234.971

 16, 24.453,
234.971

 6, 24.453, 234.971

0, 24.453, 234.971

76, 24.453,
234.971

76, 24.453,
234.971

73, 29.137,
236.952

79, 19.224,
233.409

70, 33.222,
239.450

82, 13.527,
232.193

68, 36.690,
242.554

85, 7.442, 231.268

88, 1.048, 230.975

66, 39.582,
246.337

92, 5.587, 49.765

63, 42.020,
250.814

94, 9.403, 60.201

62, 43.909,
254.953

96, 10.535, 82.529

■ 98, 12.877, 98.517

■ 99, 15.887,
108.935

Harmonies

Complementary

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



76, 24.453, 234.971



71, 32.050, 48.299

Rectangle

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



76, 24.453, 234.971



76, 24.453, 284.971



76, 24.453, 54.971



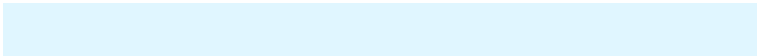
76, 24.453, 104.971

Sweetspot

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



76, 24.452, 234.969



96, 8.560, 231.307



82, 48.341, 149.959



50, 5.661, 231.414



0, 0.000, 0.000



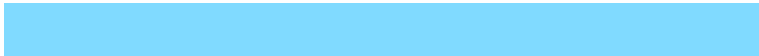
53, 0.007, 296.813

Same Dimension

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



76, 24.452, 234.969



83, 31.582, 236.683



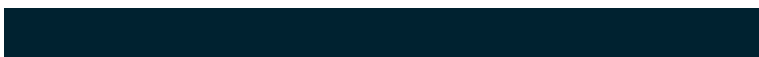
64, 40.859, 285.978



45, 3.673, 231.107



49, 36.460, 254.073



12, 14.109, 244.610

Inverse Universe

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



66, 48.557, 337.001



71, 63.986, 337.784



82, 38.944, 94.366



44, 6.655, 334.501



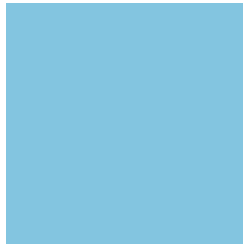
39, 70.371, 344.095



7, 29.564, 340.860

Previews

White Background



This preview shows how the CIELCh color 76, 24.453, 234.971 looks on a white background.

Color Contrast Check

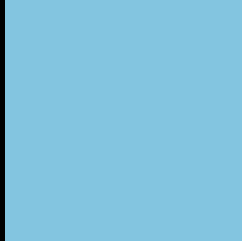
Large Text (above 18pt) WCAG AA × Fail

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, 24.453, 234.971 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, 24.453, 234.971

Background



This preview shows how black text looks on a background with the CIELCh color 76, 24.453, 234.971.

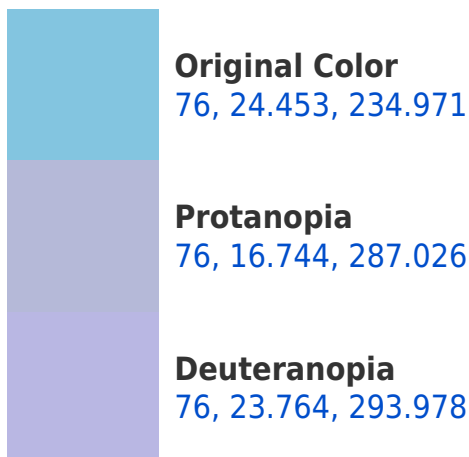


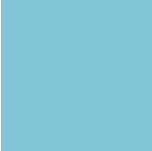
This preview shows how white text looks on a background with the CIELCh color 76, 24.453, 234.971.

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](#).

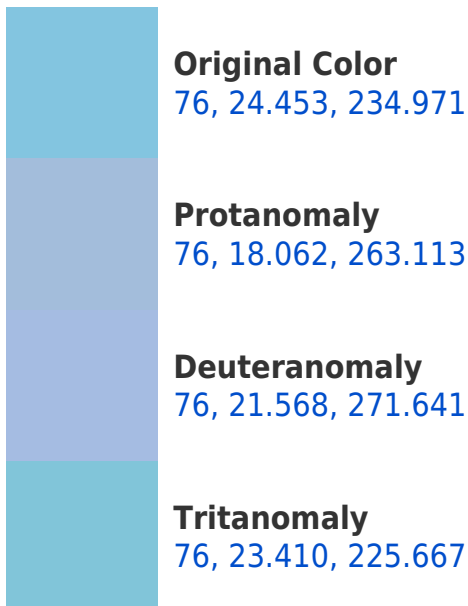
Dichromacy





Tritanopia
76, 23.302, 219.817

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 24.453, 234.971 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(131, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 224)  
}
```

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(131, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 24.453, 234.971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

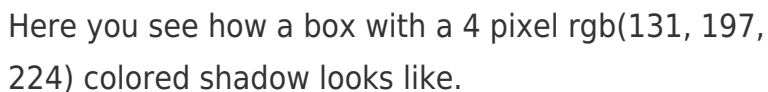
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 197, 224) }
```

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

```
.border{ border-color:rgb(131, 197, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 197, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 24.453, 234.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 224) }
```

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

```
.background{ background-color: rgb(131,  
197, 224) }
```

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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