

Converting Colors

CIELCh(76, 26.012, 234.981)

Have a look what the booklet for
CIELCh(76, 26.012, 234.981)
contains.

CIELCh(76, 25.975, 235.423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 25.975, 235.423)

Conversions

Conversions Part 1

Format	Color
Hex	7EC5E2
RGB	126, 197, 226
RGB Percent	49%, 77%, 89%
CMY	0.5057, 0.2272, 0.1135
CMYK	0.44, 0.13, 0.00, 0.11
HSL	197°, 63%, 69%
HSV	197°, 44%, 89%
XYZ	42.3226, 49.8872, 79.3857
YIQ	179.0770, -51.6250, -6.0330

Conversions

Conversions Part 2

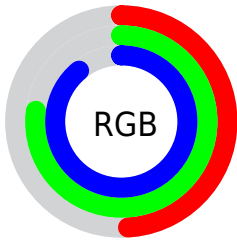
Format	Color
R _Y B	126, 168, 226
Decimal	8308194
CIE Lab	76.00, -14.74, -21.39
CIE LCh	76, 25.975, 235.423
Yxy	49.8872, 0.2466, 0.2907
Android (android.graphics.Color)	4286498274 (0xFF7EC5E2)
YUV	179.0770, 23.1330, -46.5485
Hunter-Lab	70.6309, -16.6455, -17.1975

Details

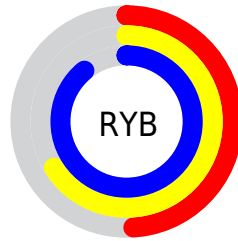
The CIELCh color **76, 25.975, 235.423** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **70, 34.760, 48.208**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 22.799, 199.313**, and **56, 26.096, 236.140** is the 20% darker color. If you saturate the color by 10%, you get **73, 30.543, 237.533**, and if you desaturate by 10%, it is **79, 20.839, 233.757**.

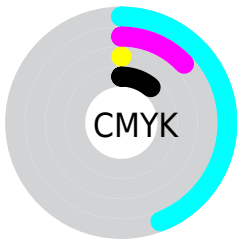
Distribution



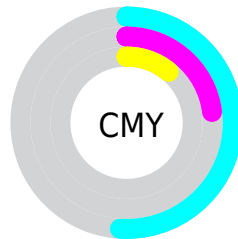
- Red (49%)
- Green (77%)
- Blue (89%)



- Red (49%)
- Yellow (66%)
- Blue (89%)



- Cyan (44%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)





- Cyan (51%)
- Magenta (23%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 25.975, 235.423 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, 25.975, 235.423 by changing the saturation by 10% instead.


 76, 25.975,
235.423


 76, 25.975,
235.423


 100, 25.975,
235.423


 66, 25.975,
235.423


 96, 25.975,
235.423

 56, 25.975,
235.423

 46, 25.975,
235.423

 36, 25.975,
235.423

 26, 25.975,
235.423

 16, 25.975,
235.423

 6, 25.975, 235.423

0, 25.975, 235.423

76, 25.975,
235.423

76, 25.975,
235.423

73, 30.543,
237.533

79, 20.839,
233.757

71, 34.495,
240.184

82, 15.209,
232.457

68, 37.829,
243.466

85, 9.165, 231.457

88, 2.789, 230.799

66, 40.605,
247.438

92, 3.848, 49.832

64, 42.970,
252.093

95, 8.606, 57.557

62, 44.275,
254.947

96, 9.661, 82.385

■ 98, 12.066, 99.681

■ 99, 14.647,
109.071

Harmonies

Complementary

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



76, 25.975, 235.423



70, 34.760, 48.208

Rectangle

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



76, 25.975, 235.423



76, 25.975, 285.423



76, 25.975, 55.423



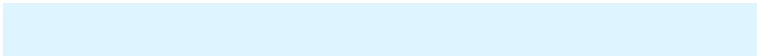
76, 25.975, 105.423

Sweetspot

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



76, 25.974, 235.421



95, 9.253, 231.360



82, 51.727, 149.640



50, 6.441, 231.551



0, 0.000, 0.000



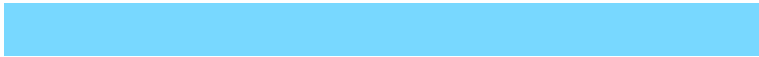
53, 0.007, 296.813

Same Dimension

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



76, 25.974, 235.421



82, 33.040, 237.326



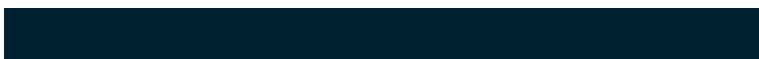
63, 44.033, 286.563



45, 3.673, 231.079



49, 36.448, 254.031



12, 14.107, 244.572

Inverse Universe

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



66, 51.928, 337.223



69, 67.343, 338.059



82, 41.768, 94.028



44, 6.656, 334.492



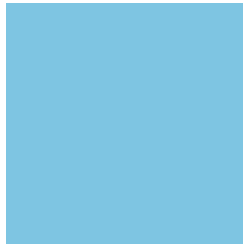
39, 70.381, 344.079



7, 29.568, 340.848

Previews

White Background



This preview shows how the CIELCh color 76, 25.975, 235.423 looks on a white background.

Color Contrast Check

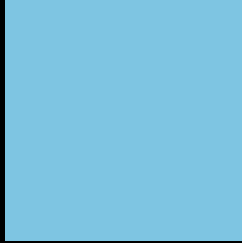
Large Text (above 18pt) WCAG AA × Fail

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, 25.975, 235.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

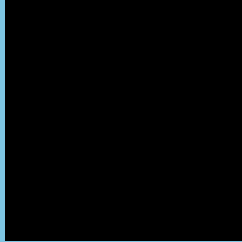
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 25.975, 235.423

Background



This preview shows how black text looks on a background with the CIELCh color 76, 25.975, 235.423.



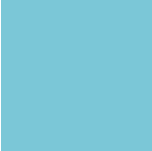
This preview shows how white text looks on a background with the CIELCh color 76, 25.975, 235.423.

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, 24.748, 218.373

Trichromacy



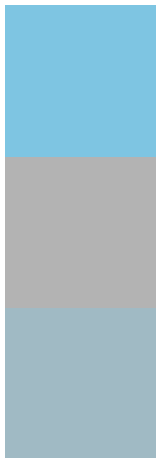
Original Color
76, 25.975, 235.423

Protanomaly
76, 19.401, 262.339

Deuteranomaly
76, 22.856, 270.544

Tritanomaly
76, 24.949, 225.134

Monochromacy



Original Color
76, 25.975, 235.423

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 10.439, 230.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 25.975, 235.423 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(126, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(126, 197, 226)  
}
```

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(126, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 197, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 25.975, 235.423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

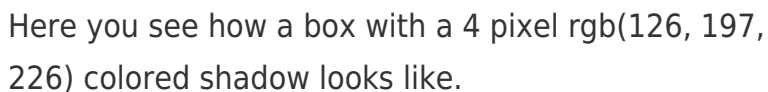
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 197, 226) }
```

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

```
.border{ border-color:rgb(126, 197, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 197, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 197, 226); box-shadow:4px 4px 4px 4px rgb(126, 197, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 25.975, 235.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 197, 226) }
```

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

```
.background{ background-color: rgb(126,  
197, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor