

Converting Colors

CIELCh(76, 21.463, 223.526)

Have a look what the booklet for
CIELCh(76, 21.463, 223.526)
contains.

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Color

CIELCh(76, 21.467, 223.543)

Conversions

Conversions Part 1

Format	Color
Hex	87C5D6
RGB	135, 197, 214
RGB Percent	53%, 77%, 84%
CMY	0.4709, 0.2278, 0.1611
CMYK	0.37, 0.08, 0.00, 0.16
HSL	193°, 49%, 68%
HSV	193°, 37%, 84%
XYZ	42.0507, 49.8872, 70.9720
YIQ	180.4000, -42.4090, -7.8570

Conversions

Conversions Part 2

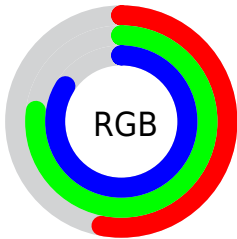
Format	Color
RYB	135, 170, 214
Decimal	8898006
CIELab	76.00, -15.56, -14.79
CIELCh	76, 21.467, 223.543
Yxy	49.8872, 0.2581, 0.3062
Android (android.graphics.Color)	4287088086 (0xFF87C5D6)
YUV	180.4000, 16.5648, -39.8158
Hunter-Lab	70.6309, -17.3326, -10.1347

Details

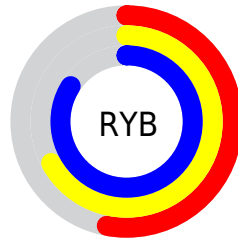
The CIELCh color **76, 21.467, 223.543** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 27.858, 40.820**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.469, 199.605**, and **56, 21.359, 223.410** is the 20% darker color. If you saturate the color by 10%, you get **74, 26.087, 224.739**, and if you desaturate by 10%, it is **78, 16.254, 222.648**.

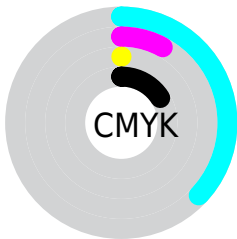
Distribution



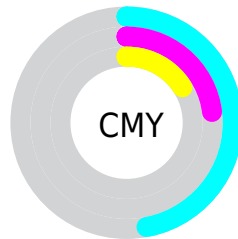
- Red (53%)
- Green (77%)
- Blue (84%)



- Red (53%)
- Yellow (67%)
- Blue (84%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (23%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 21.467, 223.543 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, 21.467, 223.543 by changing the saturation by 10% instead.


 76, 21.467,
223.543


 76, 21.467,
223.543


 100, 21.467,
223.543


 66, 21.467,
223.543


 96, 21.467,
223.543

 56, 21.467,
223.543

 46, 21.467,
223.543

 36, 21.467,
223.543

 26, 21.467,
223.543

 16, 21.467,
223.543

 6, 21.467, 223.543

0, 21.467, 223.543

76, 21.467,
223.543

76, 21.467,
223.543

74, 26.087,
224.739

78, 16.254,
222.648

72, 30.029,
226.318

81, 10.543,
222.008

70, 33.230,
228.361

84, 4.430, 221.612

86, 2.002, 40.878

68, 35.673,
230.957

89, 8.677, 40.887

66, 37.404,
234.184

92, 12.619, 45.679

64, 38.561,
238.064

93, 12.432, 58.757

■ 64, 38.885,
239.310

■ 94, 12.900, 71.510

■ 95, 13.952, 82.809

Harmonies

Complementary

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



76, 21.467, 223.543



68, 27.858, 40.820

Rectangle

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



76, 21.467, 223.543



76, 21.467, 273.543



76, 21.467, 43.543



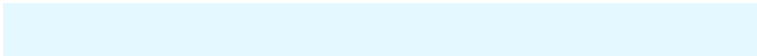
76, 21.467, 93.543

Sweetspot

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



76, 21.467, 223.540



97, 8.026, 221.741



79, 44.273, 147.554



51, 5.374, 221.796



0, 0.000, 0.000



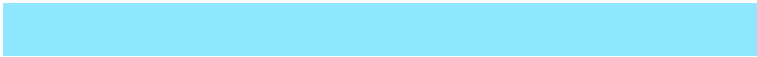
53, 0.007, 296.813

Same Dimension

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



76, 21.467, 223.540



87, 28.542, 224.408



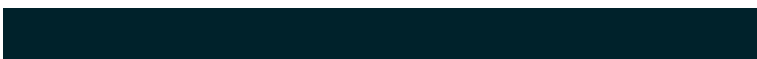
65, 31.272, 279.634



44, 3.610, 221.680



52, 32.811, 238.593



11, 12.660, 230.079

Inverse Universe

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



66, 43.971, 333.514



74, 59.870, 334.061



78, 31.020, 88.981



42, 6.757, 331.627



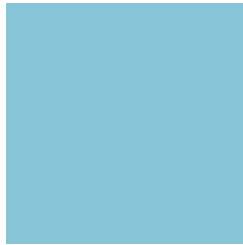
38, 72.556, 339.017



6, 28.129, 336.603

Previews

White Background



This preview shows how the CIE LCh color 76, 21.467, 223.543 looks on a white background.

Color Contrast Check

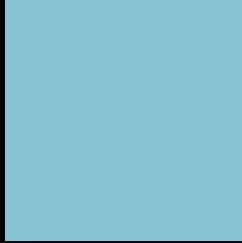
Large Text (above 18pt) WCAG AA × Fail

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, 21.467, 223.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

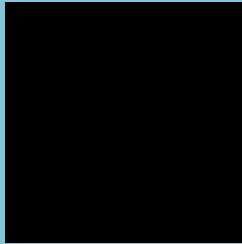
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 21.467, 223.543

Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.467, 223.543.



This preview shows how white text looks on a background with the CIELCh color 76, 21.467, 223.543.

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, 21.467, 223.543

Protanopia

76, 11.327, 289.453

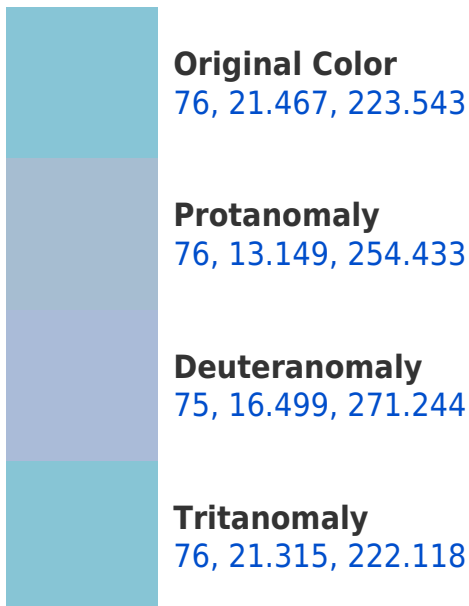
Deuteranopia

76, 19.152, 300.236

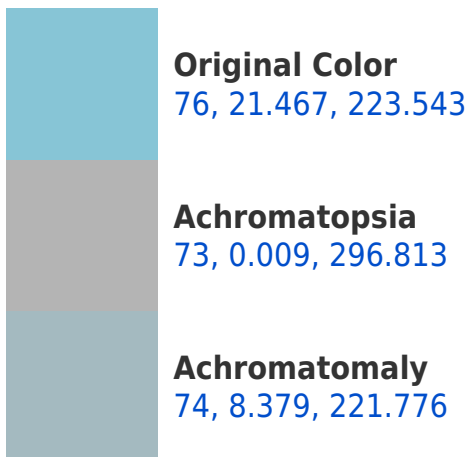


Tritanopia
76, 21.315, 222.118

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 21.467, 223.543 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(135, 197, 214)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 214)  
}
```

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(135, 197, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 21.467, 223.543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

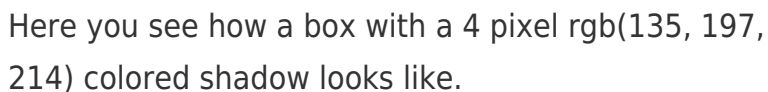
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 197, 214) }
```

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

```
.border{ border-color:rgb(135, 197, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 197, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 197, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 197, 214);  
box-shadow:4px 4px 4px 4px rgb(135, 197,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 21.467, 223.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 214) }
```

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

```
.background{ background-color: rgb(135,  
197, 214) }
```

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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