

# Converting Colors

CIELCh(76, 19.910, 227.781)

Have a look what the booklet for  
CIELCh(76, 19.910, 227.781)  
contains.

<b>CIELCh(76, 19.905, 227.615)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(76, 19.905, 227.615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DC4D6
RGB	141, 196, 214
RGB Percent	55%, 77%, 84%
CMY	0.4478, 0.2321, 0.1615
CMYK	0.34, 0.08, 0.00, 0.16
HSL	195°, 47%, 70%
HSV	195°, 34%, 84%
XYZ	42.7641, 49.8872, 70.8663
YIQ	181.6070, -38.5580, -6.0620

# Conversions

## Conversions Part 2

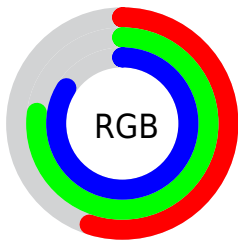
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 172, 214
Decimal	9290966
CIE <sub>Lab</sub>	76.00, -13.42, -14.70
CIE <sub>LCh</sub>	76, 19.905, 227.615
Yxy	49.8872, 0.2615, 0.3051
Android (android.graphics.Color)	4287481046 (0xFF8DC4D6)
YUV	181.6070, 15.9697, -35.6123
Hunter-Lab	70.6309, -15.5298, -10.0460

# Details

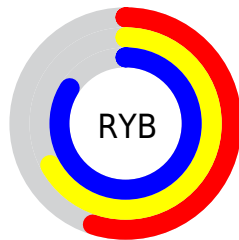
The CIELCh color **76, 19.905, 227.615** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 25.045, 43.962**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.351, 201.520**, and **56, 19.932, 227.455** is the 20% darker color. If you saturate the color by 10%, you get **73, 24.723, 228.956**, and if you desaturate by 10%, it is **79, 14.558, 226.589**.

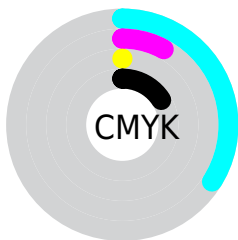
# Distribution



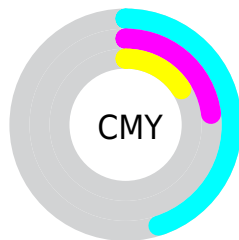
- Red (55%)
- Green (77%)
- Blue (84%)



- Red (55%)
- Yellow (67%)
- Blue (84%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)




- Cyan (45%)
- Magenta (23%)
- Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 19.905, 227.615 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, 19.905, 227.615 by changing the saturation by 10% instead.





 76, 19.905,  
227.615


 76, 19.905,  
227.615


 100, 19.905,  
227.615


 66, 19.905,  
227.615


 96, 19.905,  
227.615

 56, 19.905,  
227.615

 46, 19.905,  
227.615

 36, 19.905,  
227.615

 26, 19.905,  
227.615

 16, 19.905,  
227.615

 6, 19.905, 227.615

0, 19.905, 227.615

76, 19.905,  
227.615

76, 19.905,  
227.615

73, 24.723,  
228.956

79, 14.558,  
226.589

71, 28.931,  
230.700

81, 8.771, 225.834

69, 32.467,  
232.931

84, 2.630, 225.398

87, 3.788, 44.612

67, 35.310,  
235.742

90, 10.417, 44.396

65, 37.498,  
239.213

92, 12.455, 54.107

94, 12.782, 68.914

63, 39.151,  
243.376

95, 13.899, 82.095

■ 62, 40.008,  
246.020

■ 96, 15.630, 92.781

# Harmonies

# Complementary

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



76, 19.905, 227.615



70, 25.045, 43.962

# Rectangle

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



76, 19.905, 227.615



76, 19.905, 277.615



76, 19.905, 47.615



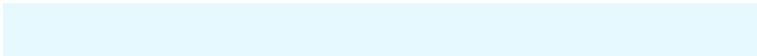
76, 19.905, 97.615

# Sweetspot

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



76, 19.905, 227.611



97, 7.229, 225.601



80, 39.977, 148.982



51, 4.915, 225.678



0, 0.000, 0.000



53, 0.007, 296.813



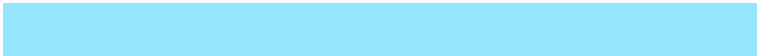


# Same Dimension

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



76, 19.905, 227.611



87, 26.803, 228.553



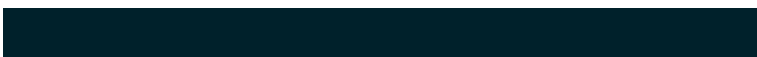
66, 30.043, 281.340



44, 3.567, 225.567



50, 33.711, 245.231



11, 12.766, 235.654



# Inverse Universe

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



67, 39.854, 334.549



75, 54.855, 335.105



79, 29.464, 91.852



42, 6.607, 332.789



38, 70.948, 341.032

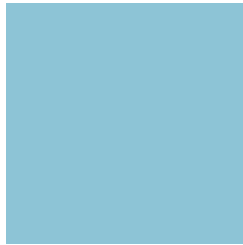


6, 27.493, 338.180



# Previews

## White Background



This preview shows how the CIELCh color 76, 19.905, 227.615 looks on a white background.

## Color Contrast Check

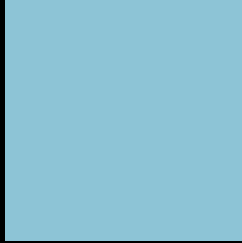
Large Text (above 18pt) WCAG AA × Fail

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, 19.905, 227.615 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

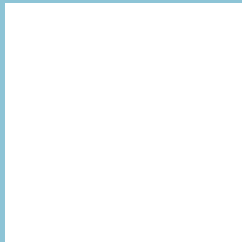
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 76, 19.905, 227.615

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 19.905, 227.615.



This preview shows how white text looks on a background with the CIELCh color 76, 19.905, 227.615.

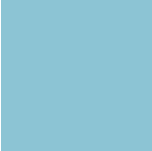
# Color Blindness Simulation

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, 19.790, 224.215

# Trichromacy



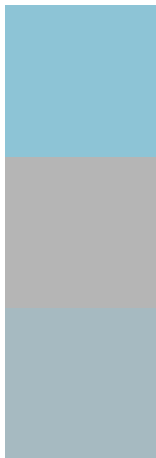
**Original Color**  
76, 19.905, 227.615

**Protanomaly**  
76, 12.784, 256.876

**Deuteranomaly**  
76, 16.300, 273.446

**Tritanomaly**  
76, 19.966, 225.722

# Monochromacy



**Original Color**  
76, 19.905, 227.615

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 7.964, 227.449

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 19.905, 227.615 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(141, 196, 214)` looks like.

```
.text, #text, p{  
    color:rgb(141, 196, 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(141, 196, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 196, 214) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 19.905, 227.615 is called "border". The border property can be set on classes, ids or directly on the HTML element.

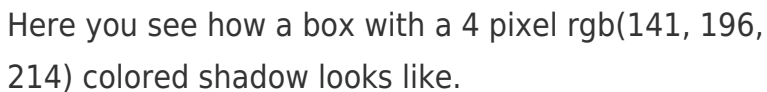
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(141, 196, 214) }
```

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

```
.border{ border-color:rgb(141, 196, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(141, 196, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 196, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 196, 214);  
box-shadow:4px 4px 4px 4px rgb(141, 196,  
214) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 19.905, 227.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 196, 214) }
```

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

```
.background{ background-color: rgb(141,  
196, 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](#).

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