

Converting Colors

CIELCh(76, 10.313, 250.576)

Have a look what the booklet for
CIELCh(76, 10.313, 250.576)
contains.

CIELCh(76, 10.296, 250.974)	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, 10.296, 250.974)

Conversions

Conversions Part 1

Format	Color
Hex	ABBECD
RGB	171, 190, 205
RGB Percent	67%, 75%, 80%
CMY	0.3294, 0.2549, 0.1961
CMYK	0.17, 0.07, 0.00, 0.20
HSL	206°, 25%, 74%
HSV	206°, 17%, 80%
XYZ	46.2225, 49.8872, 64.9445
YIQ	186.0290, -16.1390, 0.6370

Conversions

Conversions Part 2

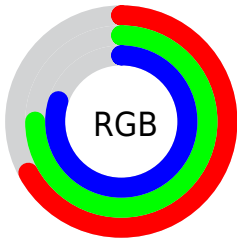
Format	Color
RYB	171, 183, 205
Decimal	11255501
CIELab	76.00, -3.36, -9.73
CIELCh	76, 10.296, 250.974
Yxy	49.8872, 0.2870, 0.3098
Android (android.graphics.Color)	4289445581 (0xFFABBECD)
YUV	186.0290, 9.3527, -13.1804
Hunter-Lab	70.6309, -6.7896, -5.0750

Details

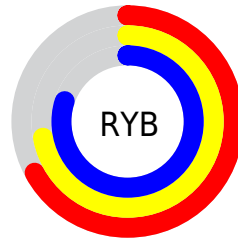
The CIELCh color **76, 10.296, 250.974** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77, 10.918, 66.891**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 7.848, 235.244**, and **56, 10.397, 249.643** is the 20% darker color. If you saturate the color by 10%, you get **72, 16.305, 252.595**, and if you desaturate by 10%, it is **80, 4.131, 249.658**.

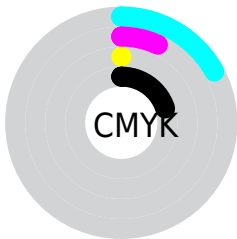
Distribution



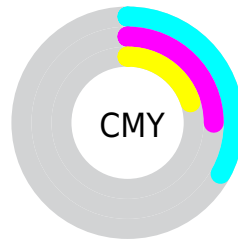
- Red (67%)
- Green (75%)
- Blue (80%)



- Red (67%)
- Yellow (72%)
- Blue (80%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (33%)
- Magenta (25%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 10.296, 250.974 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, 10.296, 250.974 by changing the saturation by 10% instead.


 76, 10.296,
250.974


 76, 10.296,
250.974


 100, 10.296,
250.974


 66, 10.296,
250.974


 96, 10.296,
250.974

 56, 10.296,
250.974

 46, 10.296,
250.974

 36, 10.296,
250.974

 26, 10.296,
250.974

 16, 10.296,
250.974

 6, 10.296, 250.974

76, 10.296,
250.974

76, 10.296,
250.974

72, 16.305,
252.595

80, 4.131, 249.658

84, 2.149, 68.215

68, 22.124,
254.570

88, 8.511, 67.398

65, 27.720,
256.955

92, 14.926, 66.602

61, 33.076,
259.818

94, 17.213, 83.234

96, 20.390, 97.170

58, 38.205,
263.214

98, 24.417,
106.811

55, 43.156,
267.164

99, 25.239,

■ 52, 48.029,
271.621

108.263

■ 49, 52.955,
276.429

■ 48, 54.696,
278.022

Harmonies

Complementary

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



76, 10.296, 250.974



77, 10.918, 66.891

Rectangle

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



76, 10.296, 250.974



76, 10.296, 300.974



76, 10.296, 70.974



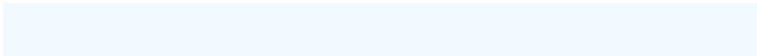
76, 10.296, 120.974

Sweetspot

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



76, 10.295, 250.965



98, 3.752, 249.501



80, 16.182, 158.889



52, 2.557, 249.572



0, 0.000, 0.000



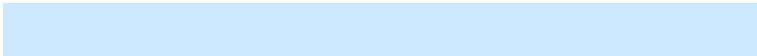
53, 0.007, 296.813

Same Dimension

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



76, 10.295, 250.965



91, 14.759, 251.526



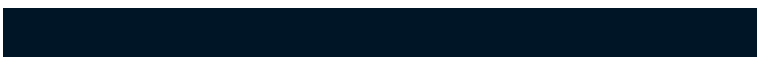
72, 17.317, 289.264



41, 3.534, 249.987



39, 46.074, 277.223



6, 14.061, 265.228

Inverse Universe

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



73, 16.341, 341.931



87, 23.590, 342.262



81, 16.763, 105.673



40, 5.529, 341.305



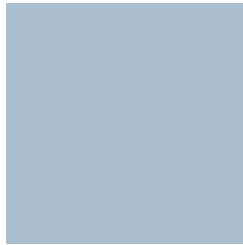
36, 62.370, 356.208



4, 20.576, 349.795

Previews

White Background



This preview shows how the CIELCh color 76, 10.296, 250.974 looks on a white background.

Color Contrast Check

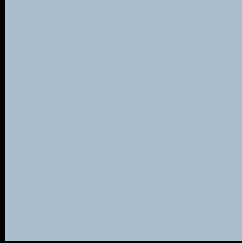
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 76, 10.296, 250.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

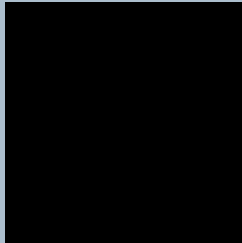
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

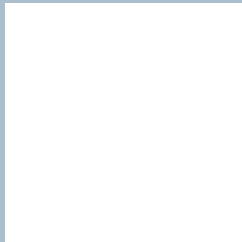
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 10.296, 250.974

Background



This preview shows how black text looks on a background with the CIELCh color 76, 10.296, 250.974.



This preview shows how white text looks on a background with the CIELCh color 76, 10.296, 250.974.

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, 10.296, 250.974

Protanopia

76, 8.625, 290.987

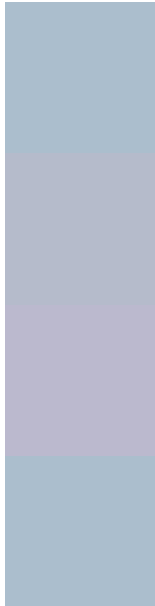
Deuteranopia

76, 14.452, 311.647



Tritanopia
76, 10.296, 250.974

Trichromacy



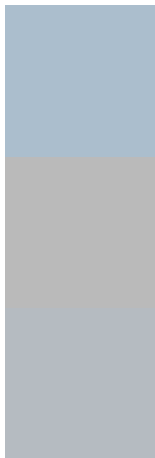
Original Color
76, 10.296, 250.974

Protanomaly
76, 8.837, 277.070

Deuteranomaly
76, 11.360, 294.811

Tritanomaly
76, 10.296, 250.974

Monochromacy



Original Color
76, 10.296, 250.974

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 3.867, 256.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 10.296, 250.974 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(171, 190, 205)` looks like.

```
.text, #text, p{  
    color:rgb(171, 190, 205)  
}
```

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(171, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 190, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 10.296, 250.974 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(171, 190, 205) }
```

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

```
.border{ border-color:rgb(171, 190, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 190, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 190, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 190, 205);  
box-shadow:4px 4px 4px 4px rgb(171, 190,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 10.296, 250.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 190, 205) }
```

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

```
.background{ background-color: rgb(171,  
190, 205) }
```

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