

Converting Colors

CIELCh(76, 7.564, 249.957)

Have a look what the booklet for
CIELCh(76, 7.564, 249.957) contains.

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Color

CIELCh(76, 7.634, 250.255)

Conversions

Conversions Part 1

Format	Color
Hex	AFBDC8
RGB	175, 189, 200
RGB Percent	69%, 74%, 78%
CMY	0.3124, 0.2574, 0.2143
CMYK	0.12, 0.05, 0.00, 0.21
HSL	206°, 19%, 74%
HSV	206°, 12%, 79%
XYZ	46.4972, 49.8872, 62.0397
YIQ	186.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

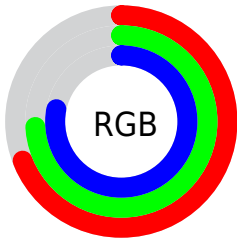
Format	Color
RYB	175, 184, 200
Decimal	11517384
CIELab	76.00, -2.58, -7.19
CIELCh	76, 7.634, 250.255
Yxy	49.8872, 0.2935, 0.3149
Android (android.graphics.Color)	4289707464 (0xFFAFBDC8)
YUV	186.0680, 6.8685, -9.7066
Hunter-Lab	70.6309, -6.0953, -2.6366

Details

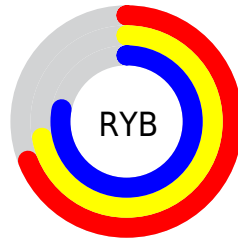
The CIELCh color $76, 7.634, 250.255$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $76, 7.968, 67.204$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 6.933, 247.072$, and $56, 7.629, 247.912$ is the 20% darker color. If you saturate the color by 10%, you get $72, 13.593, 251.737$, and if you desaturate by 10%, it is $80, 1.536, 249.192$.

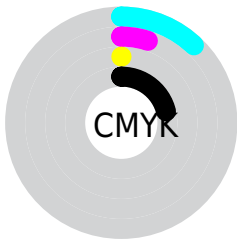
Distribution



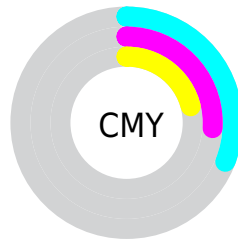
- Red (69%)
- Green (74%)
- Blue (78%)



- Red (69%)
- Yellow (72%)
- Blue (78%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 7.634, 250.255 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, 7.634, 250.255 by changing the saturation by 10% instead.

■ 76, 7.634, 250.255

■ 76, 7.634, 250.255

■ 100, 7.634,
250.255

■ 66, 7.634, 250.255

■ 96, 7.634, 250.255

■ 56, 7.634, 250.255

■ 46, 7.634, 250.255

■ 36, 7.634, 250.255

■ 26, 7.634, 250.255

■ 16, 7.634, 250.255

■ 6, 7.634, 250.255

■ 0, 7.634, 250.255

■ 76, 7.634, 250.255

■ 76, 7.634, 250.255

72, 13.593,
251.737

80, 1.536, 249.192

69, 19.379,
253.557

84, 4.662, 67.771

65, 24.957,
255.758

87, 10.929, 66.925

61, 30.301,
258.407

93, 18.875, 83.080

58, 35.411,
261.569

96, 21.891, 95.736

55, 40.319,
265.281

98, 25.691,
104.880

52, 45.100,
269.531

99, 27.557,
108.085

49, 49.873,
274.219

47, 53.564,

277.800

Harmonies

Complementary

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



76, 7.634, 250.255



76, 7.968, 67.204

Rectangle

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



76, 7.634, 250.255



76, 7.634, 300.255



76, 7.634, 70.255



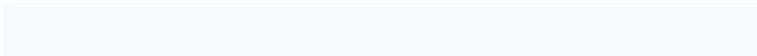
76, 7.634, 120.255

Sweetspot

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



76, 7.633, 250.242



98, 3.003, 249.272



79, 11.949, 159.259



52, 2.132, 249.337



0, 0.000, 0.000



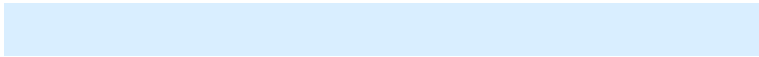
53, 0.007, 296.813

Same Dimension

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



76, 7.633, 250.242



93, 11.125, 250.620



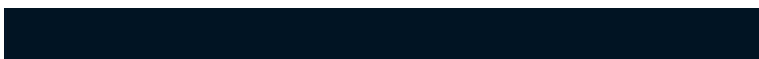
73, 12.695, 288.746



40, 3.459, 249.842



38, 45.390, 277.014



6, 13.070, 264.468

Inverse Universe

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



74, 12.036, 341.510



90, 17.637, 341.748



80, 12.387, 106.095



39, 5.419, 341.243



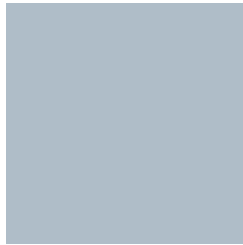
35, 61.698, 356.054



4, 18.510, 349.279

Previews

White Background



This preview shows how the CIELCh color 76, 7.634, 250.255 looks on a white background.

Color Contrast Check

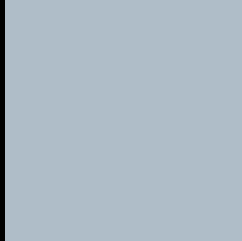
Large Text (above 18pt) WCAG AA × Fail

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, 7.634, 250.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

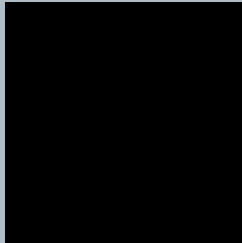
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

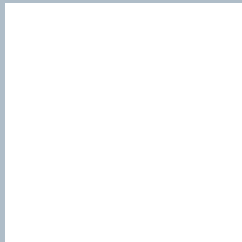
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 7.634, 250.255

Background



This preview shows how black text looks on a background with the CIELCh color 76, 7.634, 250.255.

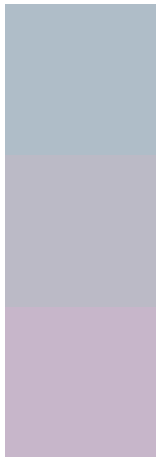


This preview shows how white text looks on a background with the CIELCh color 76, 7.634, 250.255.

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, 7.634, 250.255

Protanopia

76, 6.486, 293.980

Deuteranopia

76, 12.480, 320.721



Tritanopia
76, 9.180, 261.105

Trichromacy



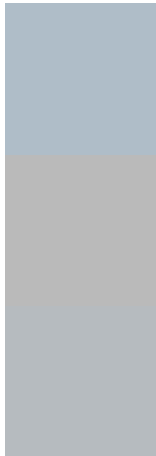
Original Color
76, 7.634, 250.255

Protanomaly
76, 6.598, 278.241

Deuteranomaly
76, 8.840, 302.721

Tritanomaly
76, 8.724, 259.242

Monochromacy



Original Color
76, 7.634, 250.255

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 2.803, 249.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 7.634, 250.255 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(175, 189, 200)` looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 200)  
}
```

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(175, 189, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 7.634, 250.255 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(175, 189, 200) }
```

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

```
.border{ border-color:rgb(175, 189, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 189, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(175, 189,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 7.634, 250.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 200) }
```

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

```
.background{ background-color: rgb(175,  
189, 200) }
```

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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