

Converting Colors

CIELCh(76, 14.125, 254.048)

Have a look what the booklet for
CIELCh(76, 14.125, 254.048)
contains.

CIELCh(76, 14.110, 252.532)	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, 14.110, 252.532)

Conversions

Conversions Part 1

Format	Color
Hex	A5BFD4
RGB	165, 191, 212
RGB Percent	65%, 75%, 83%
CMY	0.3538, 0.2518, 0.1695
CMYK	0.22, 0.10, 0.00, 0.17
HSL	207°, 35%, 74%
HSV	207°, 22%, 83%
XYZ	45.9132, 49.8872, 69.3524
YIQ	185.6200, -22.2370, 1.0190

Conversions

Conversions Part 2

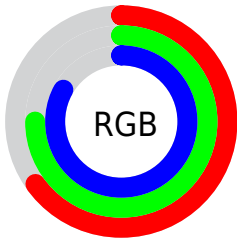
Format	Color
RYB	165, 182, 212
Decimal	10862548
CIELab	76.00, -4.24, -13.46
CIELCh	76, 14.110, 252.532
Yxy	49.8872, 0.2780, 0.3021
Android (android.graphics.Color)	4289052628 (0xFFA5BFD4)
YUV	185.6200, 13.0053, -18.0837
Hunter-Lab	70.6309, -7.5713, -8.7751

Details

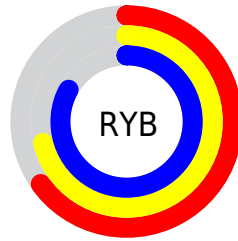
The CIELCh color **76, 14.110, 252.532** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 15.274, 66.895**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 9.593, 224.366**, and **56, 13.920, 250.532** is the 20% darker color. If you saturate the color by 10%, you get **72, 20.212, 254.360**, and if you desaturate by 10%, it is **80, 7.834, 251.019**.

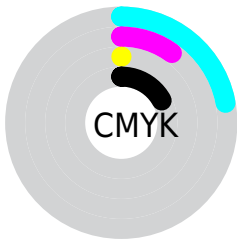
Distribution



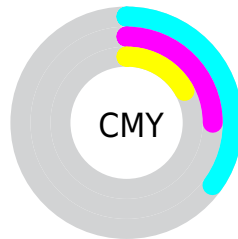
- Red (65%)
- Green (75%)
- Blue (83%)



- Red (65%)
- Yellow (71%)
- Blue (83%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)





- Cyan (35%)
- Magenta (25%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 14.110, 252.532 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, 14.110, 252.532 by changing the saturation by 10% instead.


 76, 14.110,
252.532


 76, 14.110,
252.532


 100, 14.110,
252.532


 66, 14.110,
252.532


 96, 14.110,
252.532

 56, 14.110,
252.532

 46, 14.110,
252.532

 36, 14.110,
252.532

 26, 14.110,
252.532

 16, 14.110,
252.532

 6, 14.110, 252.532

0, 14.110, 252.532

76, 14.110,
252.532

76, 14.110,
252.532

72, 20.212,
254.360

80, 7.834, 251.019

68, 26.107,
256.574

84, 1.424, 249.986

65, 31.772,
259.237

88, 5.084, 68.529

61, 37.205,
262.412

92, 11.658, 67.669

58, 42.441,
266.134

95, 14.873, 84.007

54, 47.562,
270.389

97, 18.382,
100.097

99, 21.833,
108.524

■ 51, 52.690,
275.072

■ 49, 56.811,
278.799

Harmonies

Complementary

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



76, 14.110, 252.532



77, 15.274, 66.895

Rectangle

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



76, 14.110, 252.532



76, 14.110, 302.532



76, 14.110, 72.532



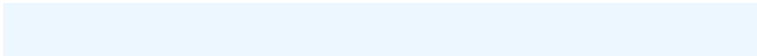
76, 14.110, 122.532

Sweetspot

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



76, 14.109, 252.526



97, 5.258, 250.376



81, 22.214, 158.357



51, 3.414, 250.447



0, 0.000, 0.000



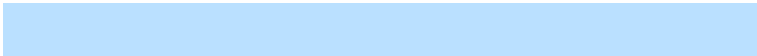
53, 0.007, 296.813

Same Dimension

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



76, 14.109, 252.526



88, 19.837, 253.417



70, 24.048, 290.032



43, 3.692, 250.659



40, 47.760, 278.021



7, 15.892, 267.087

Inverse Universe

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



73, 22.456, 342.738



83, 31.843, 343.231



83, 23.004, 105.090



42, 5.734, 341.594



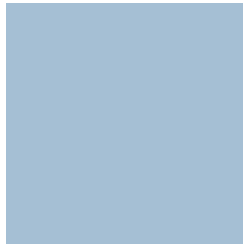
37, 63.640, 356.807



5, 24.136, 350.606

Previews

White Background



This preview shows how the CIELCh color 76, 14.110, 252.532 looks on a white background.

Color Contrast Check

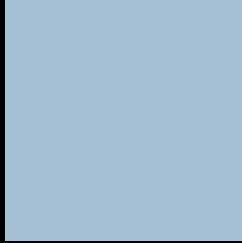
Large Text (above 18pt) WCAG AA × Fail

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, 14.110, 252.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

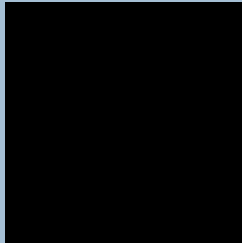
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

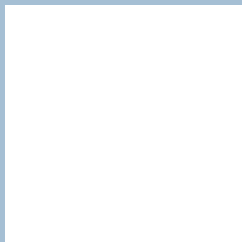
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 14.110, 252.532

Background



This preview shows how black text looks on a background with the CIELCh color 76, 14.110, 252.532.



This preview shows how white text looks on a background with the CIELCh color 76, 14.110, 252.532.

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, 14.110, 252.532

Protanopia

76, 12.401, 288.090

Deuteranopia

76, 17.760, 304.286



Tritanopia
76, 12.347, 239.890

Trichromacy



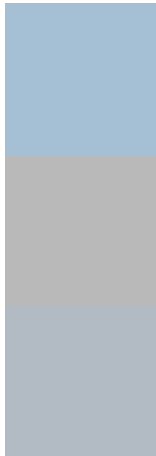
Original Color
76, 14.110, 252.532

Protanomaly
76, 12.354, 273.298

Deuteranomaly
76, 15.102, 288.950

Tritanomaly
76, 13.013, 243.782

Monochromacy



Original Color
76, 14.110, 252.532

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 5.341, 253.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 14.110, 252.532 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(165, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 212)  
}
```

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(165, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 14.110, 252.532 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(165, 191, 212) }
```

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

```
.border{ border-color:rgb(165, 191, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 14.110, 252.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 212) }
```

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

```
.background{ background-color: rgb(165,  
191, 212) }
```

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