

Converting Colors

CIE LCh(76, 12.005, 234.638)

Have a look what the booklet for
CIELCh(76, 12.005, 234.638)
contains.

CIELCh(76, 12.005, 234.638)	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, 12.005, 234.638)

Conversions

Conversions Part 1

Format	Color
Hex	A3C0CD
RGB	163, 192, 205
RGB Percent	64%, 75%, 80%
CMY	0.3608, 0.2471, 0.1961
CMYK	0.20, 0.06, 0.00, 0.20
HSL	199°, 30%, 72%
HSV	199°, 20%, 80%
XYZ	44.9675, 49.8872, 65.0101
YIQ	184.8110, -21.4570, -2.1050

Conversions

Conversions Part 2

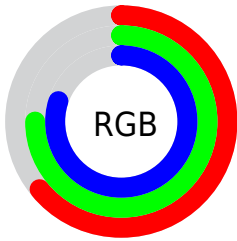
Format	Color
RYB	163, 180, 205
Decimal	10731725
CIELab	76.00, -6.95, -9.79
CIELCh	76, 12.005, 234.638
Yxy	49.8872, 0.2813, 0.3121
Android (android.graphics.Color)	4288921805 (0xFFA3C0CD)
YUV	184.8110, 9.9532, -19.1282
Hunter-Lab	70.6309, -9.9613, -5.1301

Details

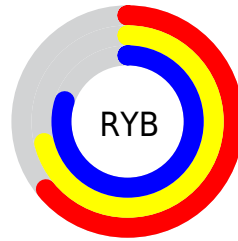
The CIELCh color **76, 12.005, 234.638** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 13.473, 51.341**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 10.622, 218.686**, and **56, 11.922, 233.993** is the 20% darker color. If you saturate the color by 10%, you get **73, 17.395, 235.905**, and if you desaturate by 10%, it is **79, 6.285, 233.650**.

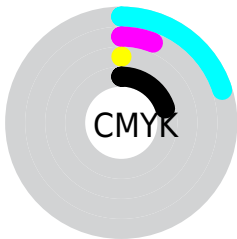
Distribution



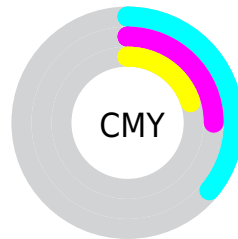
- Red (64%)
- Green (75%)
- Blue (80%)



- Red (64%)
- Yellow (71%)
- Blue (80%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)





- Cyan (36%)
- Magenta (25%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 12.005, 234.638 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, 12.005, 234.638 by changing the saturation by 10% instead.


 76, 12.005,
234.638


 76, 12.005,
234.638


 100, 12.005,
234.638


 66, 12.005,
234.638


 96, 12.005,
234.638

 56, 12.005,
234.638

 46, 12.005,
234.638

 36, 12.005,
234.638

 26, 12.005,
234.638

 16, 12.005,
234.638

 6, 12.005, 234.638

0, 12.005, 234.638

76, 12.005,
234.638

76, 12.005,
234.638

73, 17.395,
235.905

79, 6.285, 233.650

70, 22.385,
237.524

82, 0.302, 234.449

85, 5.884, 52.038

67, 26.911,
239.563

89, 12.222, 51.577

65, 30.923,
242.113

91, 15.320, 58.902

93, 16.002, 73.087

62, 34.407,
245.260

94, 17.564, 85.359

60, 37.398,
249.072

96, 19.789, 95.183

■ 58, 40.003,
253.560

■ 97, 22.469,
102.778

■ 56, 42.331,
258.256

Harmonies

Complementary

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



76, 12.005, 234.638



74, 13.473, 51.341

Rectangle

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



76, 12.005, 234.638



76, 12.005, 284.638



76, 12.005, 54.638



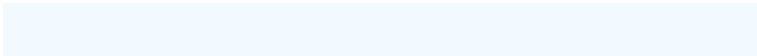
76, 12.005, 104.638

Sweetspot

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



76, 12.005, 234.630



98, 4.331, 233.329



79, 22.115, 152.751



52, 2.869, 233.370



0, 0.000, 0.000



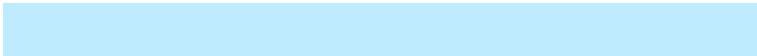
53, 0.007, 296.813

Same Dimension

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



76, 12.005, 234.630



91, 17.274, 235.207



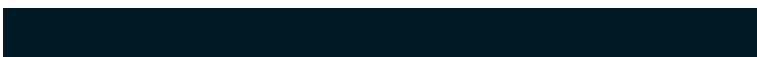
71, 18.531, 283.079



41, 3.393, 233.562



45, 35.870, 257.408



8, 12.166, 245.810

Inverse Universe

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



72, 22.153, 336.111



84, 32.310, 336.486



79, 18.117, 98.041



40, 6.068, 335.282



37, 66.570, 345.403



4, 22.566, 341.332

Previews

White Background



This preview shows how the CIELCh color 76, 12.005, 234.638 looks on a white background.

Color Contrast Check

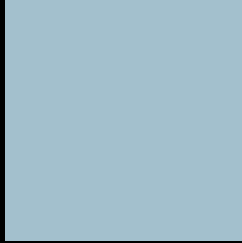
Large Text (above 18pt) WCAG AA × Fail

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, 12.005, 234.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

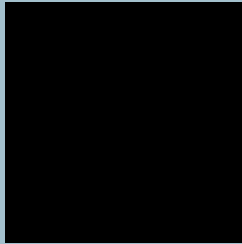
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

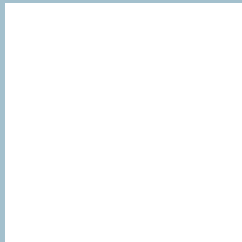
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 12.005, 234.638

Background



This preview shows how black text looks on a background with the CIELCh color 76, 12.005, 234.638.



This preview shows how white text looks on a background with the CIELCh color 76, 12.005, 234.638.

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](#).

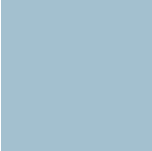
Dichromacy



Original Color
76, 12.005, 234.638

Protanopia
76, 8.086, 290.938

Deuteranopia
76, 14.452, 311.647



Tritanopia
76, 12.595, 238.906

Trichromacy



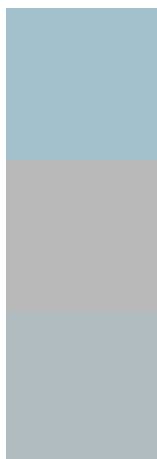
Original Color
76, 12.005, 234.638

Protanomaly
76, 8.258, 265.523

Deuteranomaly
76, 10.790, 287.433

Tritanomaly
76, 12.292, 236.822

Monochromacy



Original Color
76, 12.005, 234.638

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 4.486, 228.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 12.005, 234.638 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(163, 192, 205)` looks like.

```
.text, #text, p{  
    color:rgb(163, 192, 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(163, 192, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 192, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 12.005, 234.638 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(163, 192, 205) }
```

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

```
.border{ border-color:rgb(163, 192, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 192, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 192, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 192, 205);  
box-shadow:4px 4px 4px 4px rgb(163, 192,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 12.005, 234.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 192, 205) }
```

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

```
.background{ background-color: rgb(163,  
192, 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](#).

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