

Converting Colors

CIELCh(74, 16.317, 226.310)

Have a look what the booklet for
CIELCh(74, 16.317, 226.310)
contains.

CIELCh(74, 16.309, 226.298)	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(74, 16.309, 226.298)

Conversions

Conversions Part 1

Format	Color
Hex	91BDCB
RGB	145, 189, 203
RGB Percent	57%, 74%, 80%
CMY	0.4315, 0.2590, 0.2041
CMYK	0.29, 0.07, 0.00, 0.20
HSL	194°, 36%, 68%
HSV	194°, 29%, 80%
XYZ	40.6338, 46.7039, 63.3476
YIQ	177.4400, -30.7180, -4.9740

Conversions

Conversions Part 2

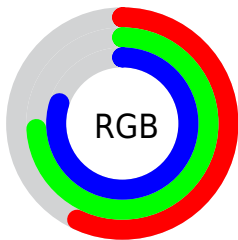
Format	Color
RYB	145, 170, 203
Decimal	9551307
CIELab	74.00, -11.27, -11.79
CIElCh	74, 16.309, 226.298
Yxy	46.7039, 0.2697, 0.3099
Android (android.graphics.Color)	4287741387 (0xFF91BDCB)
YUV	177.4400, 12.6011, -28.4499
Hunter-Lab	68.3403, -13.4629, -7.1203

Details

The CIELCh color **74, 16.309, 226.298** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 19.679, 43.488**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 15.514, 218.053**, and **54, 16.220, 225.881** is the 20% darker color. If you saturate the color by 10%, you get **72, 21.222, 227.407**, and if you desaturate by 10%, it is **77, 10.933, 225.460**.

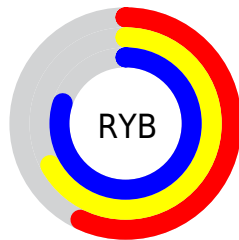
Distribution



Red (57%)

Green (74%)

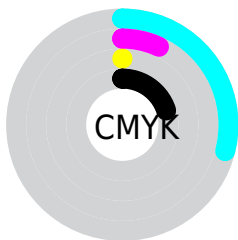
Blue (80%)



Red (57%)

Yellow (67%)

Blue (80%)

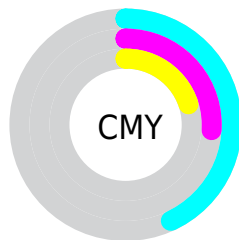


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (20%)



Cyan (43%)


Magenta (26%)


Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 16.309, 226.298 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 74, 16.309, 226.298 by changing the saturation by 10% instead.

 74, 16.309,
226.298

 74, 16.309,
226.298

 100, 16.309,
226.298


 64, 16.309,
226.298


 94, 16.309,
226.298

 54, 16.309,
226.298

 44, 16.309,
226.298

 34, 16.309,
226.298

 24, 16.309,
226.298

 14, 16.309,
226.298

 4, 16.309, 226.298

0, 16.309, 226.298

74, 16.309,
226.298

74, 16.309,
226.298

72, 21.222,
227.407

77, 10.933,
225.460

69, 25.589,
228.867

79, 5.179, 224.880

67, 29.336,
230.753

82, 0.875, 43.697

85, 7.160, 43.899

65, 32.416,
233.156

88, 13.616, 43.701

63, 34.830,
236.163

90, 16.077, 49.762

91, 16.015, 60.626

61, 36.642,
239.843

92, 16.530, 71.158

■ 60, 38.032,
244.144

■ 93, 17.567, 80.713

■ 59, 38.230,
244.763

Harmonies

Complementary

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



74, 16.309, 226.298



69, 19.679, 43.488

Rectangle

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



74, 16.309, 226.298



74, 16.309, 276.298



74, 16.309, 46.298



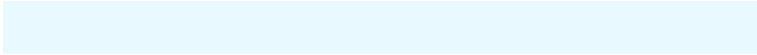
74, 16.309, 96.298

Sweetspot

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



74, 16.309, 226.293



97, 6.533, 224.904



77, 32.145, 149.539



51, 4.523, 224.974



0, 0.000, 0.000



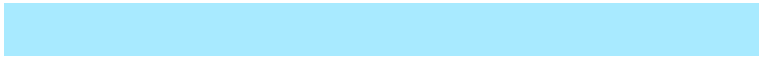
53, 0.007, 296.813

Same Dimension

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



74, 16.309, 226.293



89, 22.873, 226.910



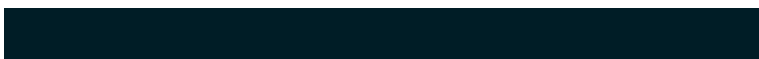
66, 23.938, 280.271



42, 3.433, 224.916



49, 32.774, 244.034



9, 11.774, 233.532

Inverse Universe

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



67, 32.160, 333.926



79, 45.947, 334.356



76, 23.577, 92.583



40, 6.371, 332.589



37, 69.659, 340.654



5, 23.833, 337.471

Previews

White Background



This preview shows how the CIELCh color 74, 16.309, 226.298 looks on a white background.

Color Contrast Check

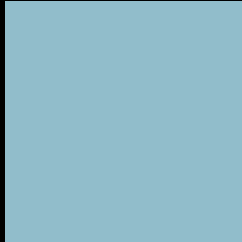
Large Text (above 18pt) WCAG AA × Fail

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 74, 16.309, 226.298 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

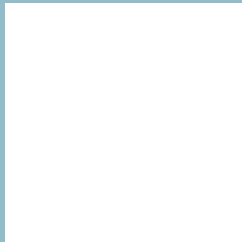
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 16.309, 226.298

Background



This preview shows how black text looks on a background with the CIELCh color 74, 16.309, 226.298.



This preview shows how white text looks on a background with the CIELCh color 74, 16.309, 226.298.

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

74, 16.309, 226.298

Protanopia

74, 9.219, 291.062

Deuteranopia

74, 16.271, 305.495



Tritanopia
74, 16.514, 228.086

Trichromacy



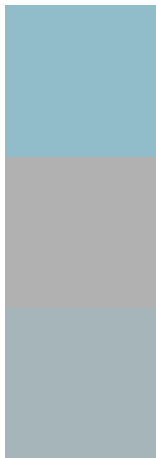
Original Color
74, 16.309, 226.298

Protanomaly
74, 10.198, 257.659

Deuteranomaly
74, 13.305, 277.818

Tritanomaly
74, 16.514, 228.086

Monochromacy



Original Color
74, 16.309, 226.298

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 6.317, 224.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 16.309, 226.298 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(145, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(145, 189, 203)  
}
```

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(145, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 189, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 16.309, 226.298 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(145, 189, 203) }
```

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

```
.border{ border-color:rgb(145, 189, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 189, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 189, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 189, 203);  
box-shadow:4px 4px 4px 4px rgb(145, 189,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 16.309, 226.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 189, 203) }
```

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

```
.background{ background-color: rgb(145,  
189, 203) }
```

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