

Converting Colors

CIELCh(74, 13.845, 198.350)

Have a look what the booklet for
CIELCh(74, 13.845, 198.350)
contains.

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Color

CIELCh(74, 13.637, 198.373)

Conversions

Conversions Part 1

Format	Color
Hex	96BDBD
RGB	150, 189, 189
RGB Percent	59%, 74%, 74%
CMY	0.4107, 0.2578, 0.2578
CMYK	0.21, 0.00, 0.00, 0.26
HSL	180°, 23%, 67%
HSV	180°, 21%, 74%
XYZ	40.0945, 46.7039, 55.1968
YIQ	177.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

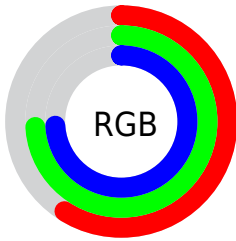
Format	Color
RYB	150, 170, 189
Decimal	9878973
CIELab	74.00, -12.94, -4.30
CIELCh	74, 13.637, 198.373
Yxy	46.7039, 0.2824, 0.3289
Android (android.graphics.Color)	4288069053 (0xFF96BDBD)
YUV	177.3390, 5.7489, -23.9763
Hunter-Lab	68.3403, -14.8715, -0.0489

Details

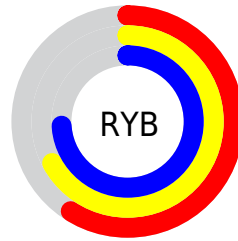
The CIELCh color $74, 13.637, 198.373$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $66, 15.602, 20.869$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 13.490, 198.578$, and $54, 13.801, 198.061$ is the 20% darker color. If you saturate the color by 10%, you get $73, 19.547, 197.903$, and if you desaturate by 10%, it is $75, 7.227, 198.901$.

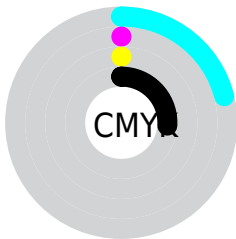
Distribution



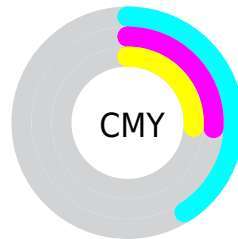
- Red (59%)
- Green (74%)
- Blue (74%)



- Red (59%)
- Yellow (67%)
- Blue (74%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (41%)
- Magenta (26%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 13.637, 198.373 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, 13.637, 198.373 by changing the saturation by 10% instead.


 74, 13.637,
198.373


 74, 13.637,
198.373


 100, 13.637,
198.373


 64, 13.637,
198.373


 94, 13.637,
198.373

 54, 13.637,
198.373

 44, 13.637,
198.373

 34, 13.637,
198.373

 24, 13.637,
198.373

 14, 13.637,
198.373

 4, 13.637, 198.373

0, 13.637, 198.373

74, 13.637,
198.373

74, 13.637,
198.373

73, 19.547,
197.903

75, 7.227, 198.901

72, 24.843,
197.497

77, 0.424, 200.615

78, 6.672, 19.855

71, 29.424,
197.153

80, 13.971, 20.489

71, 33.204,
196.874

82, 21.401, 21.111

83, 25.399, 21.444

70, 36.132,
196.660

83, 25.399, 21.442

70, 38.197,
196.510

83, 25.399, 21.441

■ 70, 39.444,
196.420

■ 83, 25.399, 21.439

■ 70, 40.055,
196.375

Harmonies

Complementary

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



74, 13.637, 198.373



66, 15.602, 20.869

Rectangle

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



74, 13.637, 198.373



74, 13.637, 248.373



74, 13.637, 18.373



74, 13.637, 68.373

Sweetspot

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



74, 13.638, 198.367



95, 5.093, 199.192



73, 25.715, 142.717



51, 3.372, 199.146



98, 0.011, 296.813



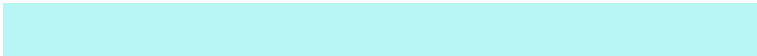
51, 0.007, 296.813

Same Dimension

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



74, 13.638, 198.367



93, 20.061, 198.137



69, 12.335, 256.513



39, 3.863, 198.976



59, 35.062, 196.375



9, 11.663, 196.731

Inverse Universe

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



66, 15.602, 20.869



80, 23.756, 21.353



71, 13.095, 71.101



37, 4.096, 19.912



32, 72.800, 39.662



3, 12.251, 19.401

Previews

White Background



This preview shows how the CIELCh color 74, 13.637, 198.373 looks on a white background.

Color Contrast Check

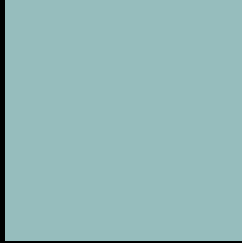
Large Text (above 18pt) WCAG AA × Fail

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 74, 13.637, 198.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

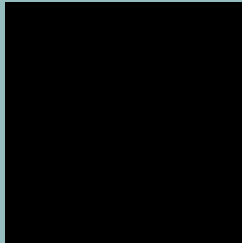
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

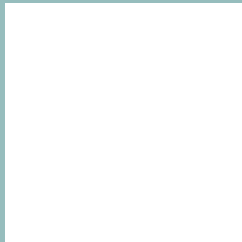
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 13.637, 198.373

Background



This preview shows how black text looks on a background with the CIELCh color 74, 13.637, 198.373.

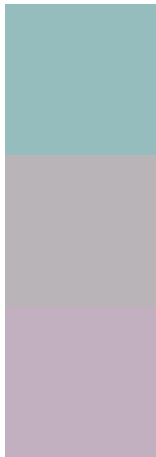


This preview shows how white text looks on a background with the CIELCh color 74, 13.637, 198.373.

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, 13.637, 198.373

Protanopia

74, 2.648, 324.468

Deuteranopia

74, 10.966, 328.122



Tritanopia
74, 13.908, 234.620

Trichromacy



Original Color
74, 13.637, 198.373

Protanomaly
74, 4.291, 221.518

Deuteranomaly
74, 5.511, 279.331

Tritanomaly
74, 13.161, 220.398

Monochromacy



Original Color
74, 13.637, 198.373

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 5.113, 199.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 13.637, 198.373 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(150, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(150, 189, 189)  
}
```

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(150, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 189, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 13.637, 198.373 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(150, 189, 189) }
```

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

```
.border{ border-color:rgb(150, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(150, 189,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 13.637, 198.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 189, 189) }
```

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

```
.background{ background-color: rgb(150,  
189, 189) }
```

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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