

Converting Colors

CIE LCh(74, 2.003, 197.284)

Have a look what the booklet for
CIELCh(74, 2.003, 197.284) contains.

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Color

CIELCh(74, 1.844, 199.535)

Conversions

Conversions Part 1

Format	Color
Hex	B2B7B7
RGB	178, 183, 183
RGB Percent	70%, 72%, 72%
CMY	0.3023, 0.2827, 0.2827
CMYK	0.03, 0.00, 0.00, 0.28
HSL	180°, 3%, 71%
HSV	180°, 3%, 72%
XYZ	43.7968, 46.7039, 51.4613
YIQ	181.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

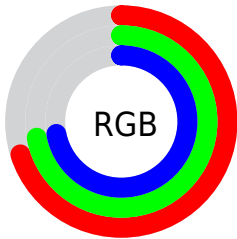
Format	Color
R_{YB}	178, 181, 183
Decimal	11712439
CIE _{Lab}	74.00, -1.74, -0.62
CIE _{LCh}	74, 1.844, 199.535
Yxy	46.7039, 0.3085, 0.3290
Android (android.graphics.Color)	4289902519 (0xFFB2B7B7)
YUV	181.5050, 0.7370, -3.0739
Hunter-Lab	68.3403, -5.2014, 3.1919

Details

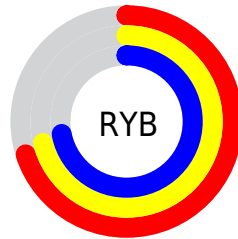
The CIELCh color `74, 1.844, 199.535` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `73, 1.878, 19.243`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 1.756, 199.647`, and `54, 1.960, 199.405` is the 20% darker color. If you saturate the color by 10%, you get `73, 8.390, 198.735`, and if you desaturate by 10%, it is `75, 5.003, 19.664`.

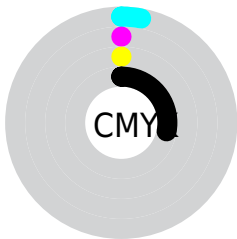
Distribution



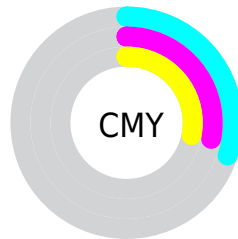
- Red (70%)
- Green (72%)
- Blue (72%)



- Red (70%)
- Yellow (71%)
- Blue (72%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (30%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 1.844, 199.535 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, 1.844, 199.535 by changing the saturation by 10% instead.

■ 74, 1.844, 199.535

■ 74, 1.844, 199.535

■ 100, 1.844,
199.535

■ 64, 1.844, 199.535

■ 94, 1.844, 199.535

■ 54, 1.844, 199.535

■ 44, 1.844, 199.535

■ 34, 1.844, 199.535

■ 24, 1.844, 199.535

■ 14, 1.844, 199.535

■ 4, 1.844, 199.535

■ 0, 1.844, 199.535

■ 74, 1.844, 199.535

■ 74, 1.844, 199.535

73, 8.390, 198.735

75, 5.003, 19.664

72, 14.534,
198.218

77, 12.066, 20.312

70, 20.168,
197.764

79, 19.270, 20.933

70, 25.187,
197.369

81, 26.553, 21.557

69, 29.494,
197.036

81, 28.114, 21.681

68, 33.010,
196.766

81, 28.114, 21.670

68, 35.694,
196.561

81, 28.113, 21.658

68, 37.545,
196.418

81, 28.112, 21.646

68, 38.618,
196.332

81, 28.111, 21.635

Harmonies

Complementary

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



74, 1.844, 199.535



73, 1.878, 19.243

Rectangle

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



74, 1.844, 199.535



74, 1.844, 249.535



74, 1.844, 19.535



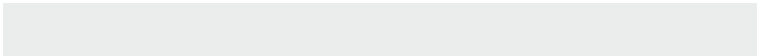
74, 1.844, 69.535

Sweetspot

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



74, 1.845, 199.484



94, 0.836, 200.049



74, 3.280, 143.924



50, 0.479, 200.093



97, 0.011, 296.813



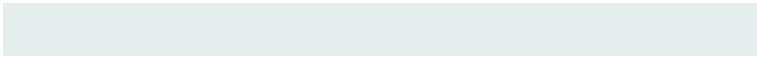
50, 0.007, 296.813

Same Dimension

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



74, 1.845, 199.484



93, 2.499, 199.438



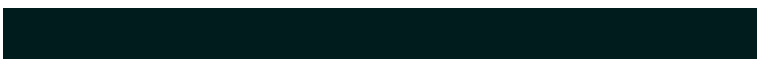
73, 1.614, 254.138



39, 1.531, 199.354



58, 34.658, 196.294



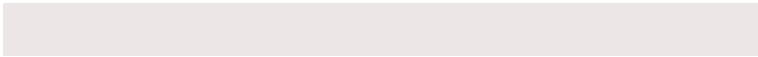
8, 10.520, 197.669

Inverse Universe

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



73, 1.878, 19.243



92, 2.548, 19.291



74, 1.613, 73.051



38, 1.567, 19.378



32, 71.847, 39.575



2, 10.638, 19.368

Previews

White Background



This preview shows how the CIELCh color 74, 1.844, 199.535 looks on a white background.

Color Contrast Check

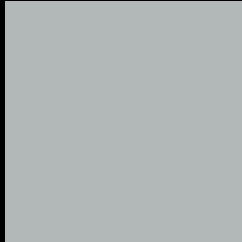
Large Text (above 18pt) WCAG AA × Fail

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, 1.844, 199.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

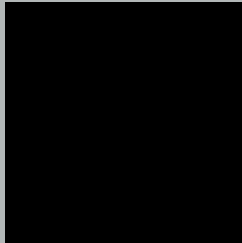
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

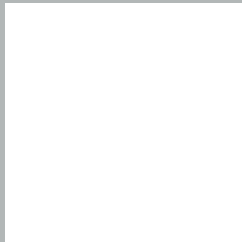
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 1.844, 199.535

Background



This preview shows how black text looks on a background with the CIELCh color 74, 1.844, 199.535.



This preview shows how white text looks on a background with the CIELCh color 74, 1.844, 199.535.

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, 1.844, 199.535

Protanopia

74, 1.596, 359.422

Deuteranopia

74, 9.352, 352.694



Tritanopia
74, 7.589, 288.189

Trichromacy



Original Color

74, 1.844, 199.535

Protanomaly

74, 0.009, 296.813

Deuteranomaly

74, 5.260, 348.871

Tritanomaly

74, 4.977, 278.021

Monochromacy



Original Color

74, 1.844, 199.535

Achromatopsia

74, 0.009, 296.813

Achromatomaly

74, 0.740, 200.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 1.844, 199.535 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(178, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 183, 183)  
}
```

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(178, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 183, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 1.844, 199.535 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(178, 183, 183) }
```

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

```
.border{ border-color:rgb(178, 183, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(178, 183,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 1.844, 199.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 183, 183) }
```

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

```
.background{ background-color: rgb(178,  
183, 183) }
```

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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