

Converting Colors

CIELCh(70, 19.867, 251.215)

Have a look what the booklet for
CIELCh(70, 19.867, 251.215)
contains.

CIELCh(70, 19.922, 252.029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 19.922, 252.029)

Conversions

Conversions Part 1

Format	Color
Hex	89B0CD
RGB	137, 176, 205
RGB Percent	54%, 69%, 80%
CMY	0.4629, 0.3100, 0.1963
CMYK	0.33, 0.14, 0.00, 0.20
HSL	206°, 40%, 67%
HSV	206°, 33%, 80%
XYZ	36.8362, 40.7494, 63.6474
YIQ	167.6450, -32.5530, 0.7510

Conversions

Conversions Part 2

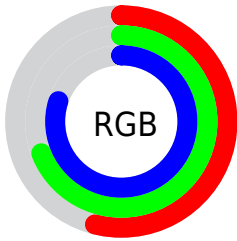
Format	Color
RYB	137, 162, 205
Decimal	9023693
CIELab	70.00, -6.15, -18.95
CIElCh	70, 19.922, 252.029
Yxy	40.7494, 0.2608, 0.2885
Android (android.graphics.Color)	4287213773 (0xFF89B0CD)
YUV	167.6450, 18.4160, -26.8757
Hunter-Lab	63.8353, -8.7082, -14.4309

Details

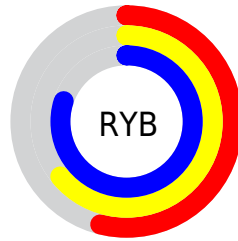
The CIELCh color $70, 19.922, 252.029$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $71, 22.832, 63.472$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 17.336, 242.633$, and $50, 19.990, 251.213$ is the 20% darker color. If you saturate the color by 10%, you get $66, 25.477, 254.233$, and if you desaturate by 10%, it is $74, 14.128, 250.208$.

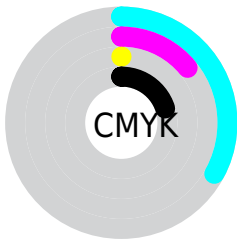
Distribution



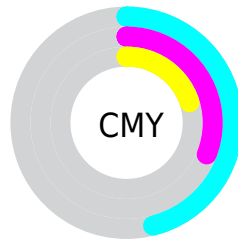
- Red (54%)
- Green (69%)
- Blue (80%)



- Red (54%)
- Yellow (64%)
- Blue (80%)



- Cyan (33%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 19.922, 252.029 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 70, 19.922, 252.029 by changing the saturation by 10% instead.

■ 70, 19.922,
252.029

■ 70, 19.922,
252.029

■ 100, 19.922,
252.029

■ 60, 19.922,
252.029

■ 90, 19.922,
252.029

■ 50, 19.922,
252.029

■ 40, 19.922,
252.029

■ 30, 19.922,
252.029

■ 20, 19.922,
252.029

■ 10, 19.922,
252.029

■ 0, 19.922, 252.029

70, 19.922,
252.029

70, 19.922,
252.029

66, 25.477,
254.233

74, 14.128,
250.208

63, 30.769,
256.899

77, 8.136, 248.719

81, 1.987, 247.628

60, 35.793,
260.091

85, 4.281, 66.262

56, 40.583,
263.848

89, 10.632, 65.442

53, 45.219,
268.160

92, 15.747, 69.550

94, 17.812, 86.640

50, 49.827,
272.923

97, 21.086, 99.185

49, 53.058,
276.219

99, 25.072,
107.939

Harmonies

Complementary

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



70, 19.922, 252.029



71, 22.832, 63.472

Rectangle

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



70, 19.922, 252.029



70, 19.922, 302.029



70, 19.922, 72.029



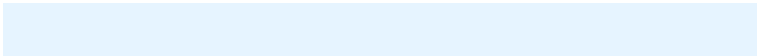
70, 19.922, 122.029

Sweetspot

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



70, 19.921, 252.026



95, 7.399, 248.327



77, 32.587, 156.448



50, 5.040, 248.506



0, 0.000, 0.000



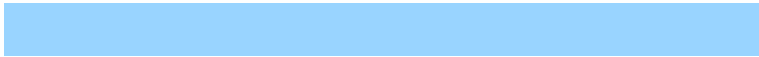
53, 0.007, 296.813

Same Dimension

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



70, 19.921, 252.026



82, 28.320, 253.603



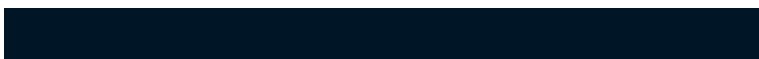
61, 35.105, 291.019



41, 3.505, 248.238



39, 44.723, 275.408



6, 13.803, 263.511

Inverse Universe

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



65, 33.213, 342.753



75, 47.657, 343.538



79, 32.819, 103.134



40, 5.586, 340.577



36, 62.702, 354.909



4, 20.760, 348.851

Previews

White Background



This preview shows how the CIE LCh color 70, 19.922, 252.029 looks on a white background.

Color Contrast Check

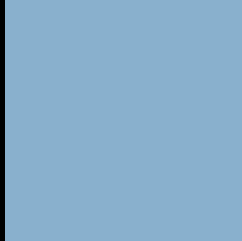
Large Text (above 18pt) WCAG AA × Fail

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 70, 19.922, 252.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

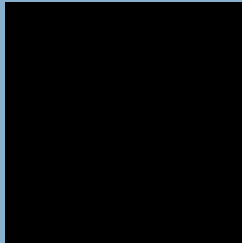
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

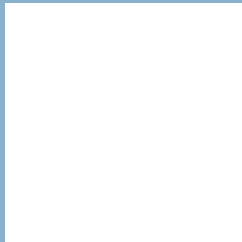
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 19.922, 252.029

Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.922, 252.029.



This preview shows how white text looks on a background with the CIELCh color 70, 19.922, 252.029.

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
70, 19.922, 252.029

Protanopia
70, 17.023, 287.190

Deuteranopia
70, 21.977, 294.120



Tritanopia
70, 16.394, 226.448

Trichromacy



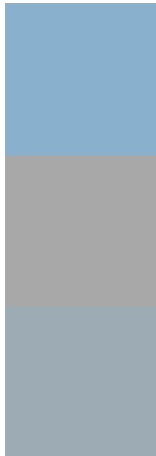
Original Color
70, 19.922, 252.029

Protanomaly
70, 17.244, 272.230

Deuteranomaly
70, 20.087, 279.535

Tritanomaly
70, 17.387, 237.854

Monochromacy



Original Color
70, 19.922, 252.029

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 7.360, 247.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 19.922, 252.029 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(137, 176, 205)` looks like.

```
.text, #text, p{  
    color:rgb(137, 176, 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(137, 176, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 176, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 19.922, 252.029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

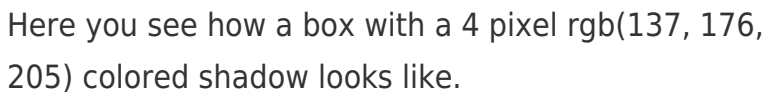
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 176, 205) }
```

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

```
.border{ border-color:rgb(137, 176, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 176, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 176, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 176, 205); box-shadow:4px 4px 4px 4px rgb(137, 176, 205) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 19.922, 252.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 176, 205) }
```

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

```
.background{ background-color: rgb(137,  
176, 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](#).

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