

Converting Colors

CIELCh(69, 22.389, 310.530)

Have a look what the booklet for
CIELCh(69, 22.389, 310.530)
contains.

CIELCh(69, 22.176, 310.842)	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(69, 22.176, 310.842)

Conversions

Conversions Part 1

Format	Color
Hex	B5A1C7
RGB	181, 161, 199
RGB Percent	71%, 63%, 78%
CMY	0.2909, 0.3693, 0.2203
CMYK	0.09, 0.19, 0.00, 0.22
HSL	272°, 25%, 71%
HSV	272°, 19%, 78%
XYZ	42.0145, 39.3444, 59.2999
YIQ	171.3120, -0.2780, 16.0580

Conversions

Conversions Part 2

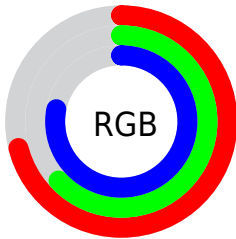
Format	Color
R_{YB}	181, 161, 199
Decimal	11903431
CIE _{Lab}	69.00, 14.50, -16.78
CIE _{LCh}	69, 22.176, 310.842
Yxy	39.3444, 0.2987, 0.2797
Android (android.graphics.Color)	4290093511 (0xFFB5A1C7)
YUV	171.3120, 13.6502, 8.4964
Hunter-Lab	62.7251, 9.7939, -12.1448

Details

The CIELCh color `69, 22.176, 310.842` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `78, 21.639, 129.134`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 21.674, 311.079`, and `49, 22.423, 311.146` is the 20% darker color. If you saturate the color by 10%, you get `63, 34.186, 311.344`, and if you desaturate by 10%, it is `75, 10.430, 310.365`.

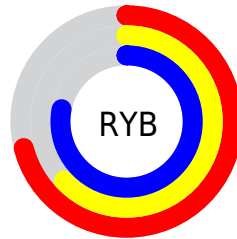
Distribution



Red (71%)

Green (63%)

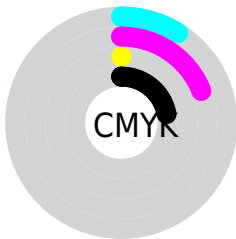
Blue (78%)



Red (71%)

Yellow (63%)

Blue (78%)

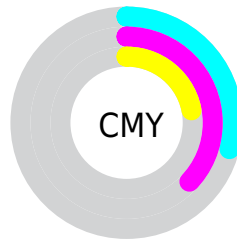


Cyan (9%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (37%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 22.176, 310.842 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 69, 22.176, 310.842 by changing the saturation by 10% instead.


 69, 22.176,
310.842

 69, 22.176,
310.842

 100, 22.176,
310.842

 59, 22.176,
310.842

 89, 22.176,
310.842

 49, 22.176,
310.842

 99, 22.176,
310.842

 39, 22.176,
310.842

 29, 22.176,
310.842

 19, 22.176,
310.842

 9, 22.176, 310.842

 0, 22.176, 310.842

69, 22.176,
310.842

69, 22.176,
310.842

63, 34.186,
311.344

75, 10.430,
310.365

58, 46.363,
311.860

81, 0.997, 130.072

52, 58.520,
312.364

87, 12.084,
129.565

47, 70.343,
312.812

92, 22.831,
129.212

42, 81.340,
313.139

97, 30.203,
127.413

38, 90.822,
313.256

98, 29.165,
121.088

35, 97.991,
313.054

98, 28.523,
114.266

32, 102.551,

99, 28.325,
108.026

312.503

■ 32, 102.928,
312.455

Harmonies

Complementary

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



69, 22.176, 310.842



78, 21.639, 129.134

Rectangle

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



69, 22.176, 310.842



69, 22.176, 0.842



69, 22.176, 130.842



69, 22.176, 180.842

Sweetspot

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



69, 22.174, 310.841



96, 8.376, 310.224



72, 12.274, 259.949



51, 5.561, 310.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 22.174, 310.841



84, 32.841, 311.051



71, 24.683, 325.926



39, 6.498, 310.378



26, 88.772, 312.617



2, 22.480, 306.889

Inverse Universe

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



70, 17.414, 346.783



85, 25.753, 347.220



77, 24.663, 143.677



39, 5.112, 345.842



35, 60.529, 4.047



4, 17.613, 354.575

Previews

White Background



This preview shows how the CIELCh color 69, 22.176, 310.842 looks on a white background.

Color Contrast Check

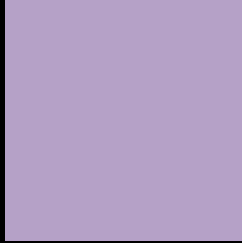
Large Text (above 18pt) WCAG AA × Fail

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 69, 22.176, 310.842 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 69, 22.176, 310.842

Background



This preview shows how black text looks on a background with the CIELCh color 69, 22.176, 310.842.



This preview shows how white text looks on a background with the CIELCh color 69, 22.176, 310.842.

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
69, 22.176, 310.842

Protanopia
69, 19.835, 286.221

Deuteranopia
69, 18.876, 298.435



Tritanopia
69, 8.471, 322.692

Trichromacy



Original Color
69, 22.176, 310.842

Protanomaly
69, 19.852, 295.150

Deuteranomaly
69, 19.722, 303.412

Tritanomaly
69, 13.857, 314.701

Monochromacy



Original Color
69, 22.176, 310.842

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 8.273, 311.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 22.176, 310.842 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(181, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 199)  
}
```

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(181, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 22.176, 310.842 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(181, 161, 199) }
```

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

```
.border{ border-color:rgb(181, 161, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 161, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 161, 199);  
box-shadow:4px 4px 4px 4px rgb(181, 161,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 22.176, 310.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 199) }
```

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

```
.background{ background-color: rgb(181,  
161, 199) }
```

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