

Converting Colors

CIELCh(69, 22.834, 309.984)

Have a look what the booklet for
CIELCh(69, 22.834, 309.984)
contains.

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Color

CIELCh(69, 22.587, 309.537)

Conversions

Conversions Part 1

Format	Color
Hex	B4A1C8
RGB	180, 161, 200
RGB Percent	71%, 63%, 78%
CMY	0.2943, 0.3688, 0.2158
CMYK	0.10, 0.20, 0.00, 0.22
HSL	269°, 26%, 71%
HSV	269°, 20%, 78%
XYZ	41.9734, 39.3444, 60.0029
YIQ	171.1270, -1.1950, 16.1570

Conversions

Conversions Part 2

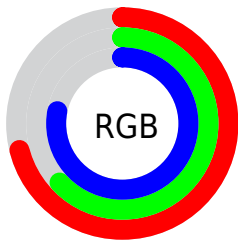
Format	Color
RYB	180, 161, 200
Decimal	11837896
CIELab	69.00, 14.38, -17.42
CIElCh	69, 22.587, 309.537
Yxy	39.3444, 0.2970, 0.2784
Android (android.graphics.Color)	4290027976 (0xFFB4A1C8)
YUV	171.1270, 14.2344, 7.7816
Hunter-Lab	62.7251, 9.6769, -12.8093

Details

The CIELCh color `69, 22.587, 309.537` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `78, 21.978, 127.731`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 21.563, 310.210`, and `49, 22.868, 309.789` is the 20% darker color. If you saturate the color by 10%, you get `63, 34.611, 310.069`, and if you desaturate by 10%, it is `75, 10.850, 309.037`.

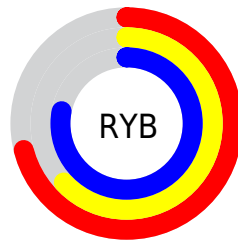
Distribution



Red (71%)

Green (63%)

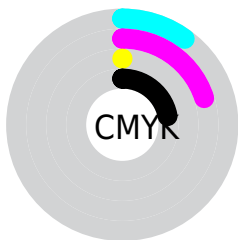
Blue (78%)



Red (71%)

Yellow (63%)

Blue (78%)

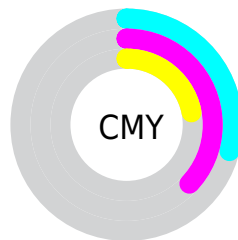


Cyan (10%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (29%)


Magenta (37%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 22.587, 309.537 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, 22.587, 309.537 by changing the saturation by 10% instead.

 69, 22.587,
309.537

 69, 22.587,
309.537


 100, 22.587,
309.537


 59, 22.587,
309.537


 89, 22.587,
309.537

 49, 22.587,
309.537

 99, 22.587,
309.537

 39, 22.587,
309.537

 29, 22.587,
309.537

 19, 22.587,
309.537

 9, 22.587, 309.537

 0, 22.587, 309.537

69, 22.587,
309.537

69, 22.587,
309.537

63, 34.611,
310.069

75, 10.850,
309.037

57, 46.835,
310.625

81, 0.550, 128.805

52, 59.083,
311.176

87, 11.602,
128.204

46, 71.049,
311.680

93, 22.307,
127.842

41, 82.240,
312.068

97, 29.245,
125.594

37, 91.942,
312.242

98, 28.265,
118.355

34, 99.303,
312.085

99, 27.788,
110.593

31, 104.033,

99, 27.752,
108.070

311.572

■ 31, 104.255,
311.548

Harmonies

Complementary

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



69, 22.587, 309.537



78, 21.978, 127.731

Rectangle

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



69, 22.587, 309.537



69, 22.587, 359.537



69, 22.587, 129.537



69, 22.587, 179.537

Sweetspot

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



69, 22.585, 309.536



96, 8.308, 308.872



73, 12.215, 256.343



51, 5.515, 308.904



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, 22.585, 309.536



83, 32.616, 309.737



71, 25.473, 325.030



39, 6.446, 309.031



25, 89.516, 311.714



2, 22.317, 305.459

Inverse Universe

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



70, 18.311, 344.630



85, 26.384, 345.007



77, 25.440, 142.793



39, 5.247, 343.691



35, 60.886, 0.361



4, 17.985, 352.198

Previews

White Background



This preview shows how the CIELCh color 69, 22.587, 309.537 looks on a white background.

Color Contrast Check

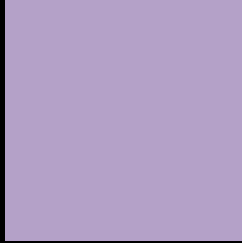
Large Text (above 18pt) WCAG AA × Fail

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 69, 22.587, 309.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

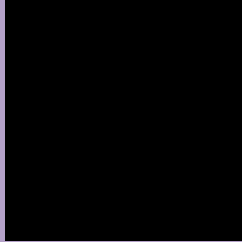
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 22.587, 309.537

Background



This preview shows how black text looks on a background with the CIELCh color 69, 22.587, 309.537.



This preview shows how white text looks on a background with the CIELCh color 69, 22.587, 309.537.

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, 22.587, 309.537

Protanopia
69, 20.408, 285.507

Deuteranopia
69, 18.816, 297.365



Tritanopia
69, 8.278, 320.479

Trichromacy



Original Color
69, 22.587, 309.537

Protanomaly
69, 20.929, 294.140

Deuteranomaly
69, 19.632, 302.390

Tritanomaly
69, 13.058, 312.665

Monochromacy



Original Color
69, 22.587, 309.537

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 8.666, 308.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 22.587, 309.537 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(180, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 200)  
}
```

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(180, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 22.587, 309.537 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(180, 161, 200) }
```

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

```
.border{ border-color:rgb(180, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 22.587, 309.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 200) }
```

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

```
.background{ background-color: rgb(180,  
161, 200) }
```

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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