

Converting Colors

CIELCh(68, 34.974, 303.944)

Have a look what the booklet for
CIELCh(68, 34.974, 303.944)
contains.

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Color

CIELCh(68, 34.929, 303.939)

Conversions

Conversions Part 1

Format	Color
Hex	AF9CDA
RGB	175, 156, 218
RGB Percent	69%, 61%, 85%
CMY	0.3136, 0.3881, 0.1449
CMYK	0.20, 0.28, 0.00, 0.14
HSL	258°, 46%, 73%
HSV	258°, 28%, 86%
XYZ	42.2427, 37.9720, 71.4600
YIQ	168.7490, -8.5780, 23.3100

Conversions

Conversions Part 2

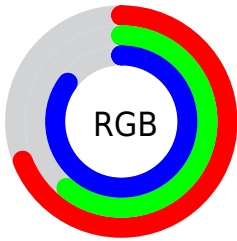
Format	Color
R_{YB}	175, 156, 218
Decimal	11508954
CIE _{Lab}	68.00, 19.50, -28.98
CIE _{LCh}	68, 34.929, 303.939
Yxy	37.9720, 0.2785, 0.2504
Android (android.graphics.Color)	4289699034 (0xFFAF9CDA)
YUV	168.7490, 24.2807, 5.4821
Hunter-Lab	61.6215, 14.5277, -25.6213

Details

The CIELCh color $68, 34.929, 303.939$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 33.015, 120.407$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 24.135, 308.314$, and $48, 34.823, 304.026$ is the 20% darker color. If you saturate the color by 10%, you get $61, 47.985, 304.764$, and if you desaturate by 10%, it is $75, 22.256, 303.194$.

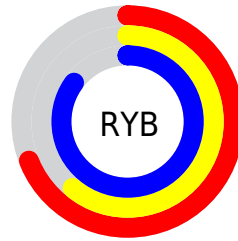
Distribution



Red (69%)

Green (61%)

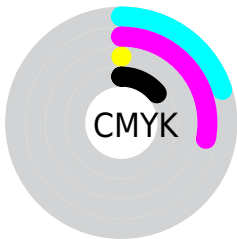
Blue (85%)



Red (69%)

Yellow (61%)

Blue (85%)

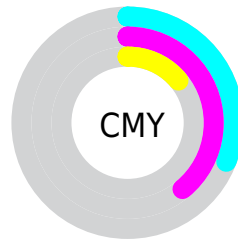


Cyan (20%)

Magenta (28%)

Yellow (0%)

Black (14%)



Cyan (31%)


Magenta (39%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 34.929, 303.939 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 68, 34.929, 303.939 by changing the saturation by 10% instead.


 68, 34.929,
303.939


 68, 34.929,
303.939


 100, 34.929,
303.939


 58, 34.929,
303.939


 88, 34.929,
303.939

 48, 34.929,
303.939

 98, 34.929,
303.939

 38, 34.929,
303.939

 28, 34.929,
303.939

 18, 34.929,
303.939

 8, 34.929, 303.939

 0, 34.929, 303.939

68, 34.929,
303.939

68, 34.929,
303.939

61, 47.985,
304.764

75, 22.256,
303.194

55, 61.323,
305.653

81, 10.008,
302.531

49, 74.706,
306.568

88, 1.812, 121.988

43, 87.666,
307.432

95, 13.216,
121.459

37, 99.390,
308.121

99, 18.771,
113.644

33, 108.693,
308.462

99, 18.686,
108.764

30, 114.603,
308.333

30, 115.399,

Harmonies

Complementary

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



68, 34.929, 303.939



84, 33.015, 120.407

Rectangle

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



68, 34.929, 303.939



68, 34.929, 353.939



68, 34.929, 123.939



68, 34.929, 173.939

Sweetspot

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



68, 34.927, 303.939



93, 12.138, 302.571



78, 17.132, 234.331



49, 8.456, 302.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 34.927, 303.939



74, 47.884, 304.414



71, 38.029, 320.071



42, 6.779, 302.594



23, 97.089, 308.453



3, 30.207, 302.602

Inverse Universe

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



71, 32.435, 336.612



79, 43.959, 337.093



82, 37.538, 137.323



43, 6.455, 335.162



38, 68.911, 345.257



6, 27.907, 341.620

Previews

White Background



This preview shows how the CIELCh color 68, 34.929, 303.939 looks on a white background.

Color Contrast Check

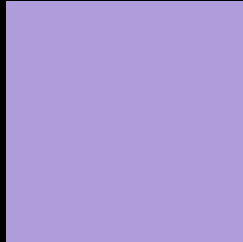
Large Text (above 18pt) WCAG AA × Fail

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 68, 34.929, 303.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

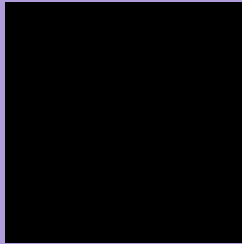
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 34.929, 303.939

Background



This preview shows how black text looks on a background with the CIELCh color 68, 34.929, 303.939.



This preview shows how white text looks on a background with the CIELCh color 68, 34.929, 303.939.

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
68, 34.929, 303.939

Protanopia
68, 33.204, 285.300

Deuteranopia
68, 29.814, 287.544



Tritanopia
68, 7.342, 302.503

Trichromacy



Original Color
68, 34.929, 303.939

Protanomaly
68, 33.625, 291.873

Deuteranomaly
68, 31.485, 294.496

Tritanomaly
68, 17.540, 303.602

Monochromacy



Original Color
68, 34.929, 303.939

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 12.960, 302.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 34.929, 303.939 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(175, 156, 218)` looks like.

```
.text, #text, p{  
    color:rgb(175, 156, 218)  
}
```

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(175, 156, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 156, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 34.929, 303.939 is called "border". The border property can be set on classes, ids or directly on the HTML element.

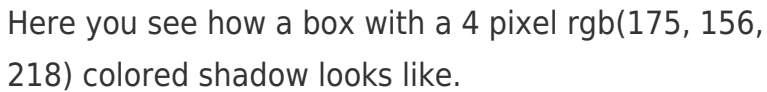
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 156, 218) }
```

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

```
.border{ border-color:rgb(175, 156, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 156, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 156, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 156, 218); box-shadow:4px 4px 4px 4px rgb(175, 156, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 34.929, 303.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 156, 218) }
```

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

```
.background{ background-color: rgb(175,  
156, 218) }
```

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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