

Converting Colors

CIELCh(68, 36.009, 306.577)

Have a look what the booklet for
CIELCh(68, 36.009, 306.577)
contains.

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Color

CIELCh(68, 35.817, 306.489)

Conversions

Conversions Part 1

Format	Color
Hex	B39BDA
RGB	179, 155, 218
RGB Percent	70%, 61%, 85%
CMY	0.2990, 0.3930, 0.1460
CMYK	0.18, 0.29, 0.00, 0.15
HSL	263°, 46%, 73%
HSV	263°, 29%, 85%
XYZ	42.8427, 37.9720, 71.2353
YIQ	169.3580, -5.9190, 24.6810

Conversions

Conversions Part 2

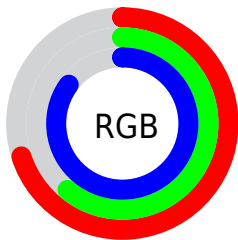
Format	Color
R_{YB}	179, 155, 218
Decimal	11770842
CIE _{Lab}	68.00, 21.30, -28.80
CIE _{LCh}	68, 35.817, 306.489
Yxy	37.9720, 0.2818, 0.2497
Android (android.graphics.Color)	4289960922 (0xFFB39BDA)
YUV	169.3580, 23.9805, 8.4560
Hunter-Lab	61.6215, 16.2656, -25.4050

Details

The CIELCh color $68, 35.817, 306.489$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 34.025, 123.304$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 25.171, 311.767$, and $48, 35.656, 306.126$ is the 20% darker color. If you saturate the color by 10%, you get $62, 48.883, 307.187$, and if you desaturate by 10%, it is $75, 23.068, 305.844$.

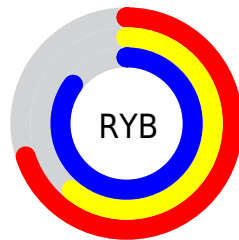
Distribution



Red (70%)

Green (61%)

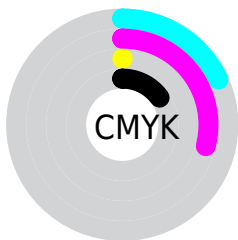
Blue (85%)



Red (70%)

Yellow (61%)

Blue (85%)

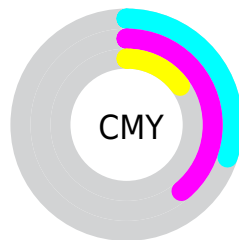


Cyan (18%)

Magenta (29%)

Yellow (0%)

Black (15%)



Cyan (30%)

Magenta (39%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 35.817, 306.489 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, 35.817, 306.489 by changing the saturation by 10% instead.

 68, 35.817,
306.489

 68, 35.817,
306.489

 100, 35.817,
306.489

 58, 35.817,
306.489

 88, 35.817,
306.489

 48, 35.817,
306.489


 98, 35.817,
306.489

 38, 35.817,
306.489

 28, 35.817,
306.489

 18, 35.817,
306.489

 8, 35.817, 306.489

 0, 35.817, 306.489

68, 35.817,
306.489

68, 35.817,
306.489

62, 48.883,
307.187

75, 23.068,
305.844

55, 62.131,
307.918

81, 10.704,
305.259

49, 75.283,
308.638

88, 1.259, 124.817

43, 87.839,
309.274

94, 12.820,
124.305

39, 98.995,
309.711

99, 19.143,
118.474

35, 107.676,
309.800

99, 18.828,
108.753

32, 113.175,
309.458

32, 113.701,

309.422

Harmonies

Complementary

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



68, 35.817, 306.489



84, 34.025, 123.304

Rectangle

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



68, 35.817, 306.489



68, 35.817, 356.489



68, 35.817, 126.489



68, 35.817, 176.489

Sweetspot

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



68, 35.815, 306.489



93, 12.274, 305.268



77, 17.713, 243.479



49, 8.549, 305.351



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, 35.815, 306.489



74, 49.721, 306.930



71, 39.270, 322.116



43, 6.854, 305.288



24, 95.751, 309.583



3, 30.510, 304.961

Inverse Universe

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



71, 31.339, 340.063



78, 43.050, 340.664



82, 38.951, 139.112



43, 6.122, 338.414



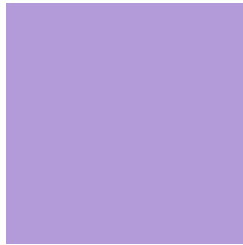
38, 66.089, 351.123



6, 26.631, 346.182

Previews

White Background



This preview shows how the CIELCh color 68, 35.817, 306.489 looks on a white background.

Color Contrast Check

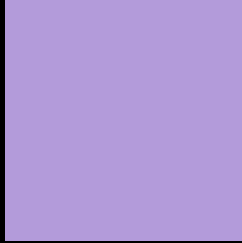
Large Text (above 18pt) WCAG AA × Fail

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, 35.817, 306.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

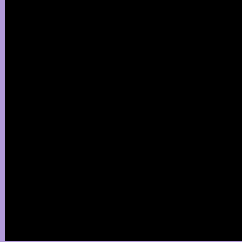
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 35.817, 306.489

Background



This preview shows how black text looks on a background with the CIELCh color 68, 35.817, 306.489.




This preview shows how white text looks on a background with the CIELCh color 68, 35.817, 306.489.

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





Tritanopia
68, 7.950, 315.772

Trichromacy



Original Color
68, 35.817, 306.489

Protanomaly
68, 33.622, 292.413

Deuteranomaly
68, 31.512, 295.684

Tritanomaly
68, 17.910, 308.142

Monochromacy



Original Color
68, 35.817, 306.489

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.126, 305.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 35.817, 306.489 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(179, 155, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 155, 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(179, 155, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 155, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 35.817, 306.489 is called "border". The border property can be set on classes, ids or directly on the HTML element.

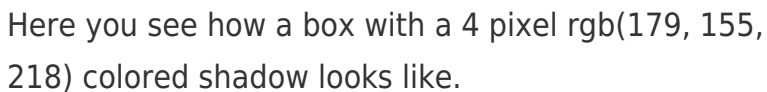
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 155, 218) }
```

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

```
.border{ border-color:rgb(179, 155, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 155, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 155, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 155, 218); box-shadow:4px 4px 4px 4px rgb(179, 155, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 35.817, 306.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 155, 218) }
```

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

```
.background{ background-color: rgb(179,  
155, 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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