

Converting Colors

CIELCh(68, 26.019, 311.782)

Have a look what the booklet for
CIELCh(68, 26.019, 311.782)
contains.

CIELCh(68, 25.814, 311.621)	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(68, 25.814, 311.621)

Conversions

Conversions Part 1

Format	Color
Hex	B59DC9
RGB	181, 157, 201
RGB Percent	71%, 62%, 79%
CMY	0.2916, 0.3857, 0.2132
CMYK	0.10, 0.22, 0.00, 0.21
HSL	273°, 29%, 70%
HSV	273°, 22%, 79%
XYZ	41.4652, 37.9720, 60.1719
YIQ	169.1920, 0.1800, 18.7720

Conversions

Conversions Part 2

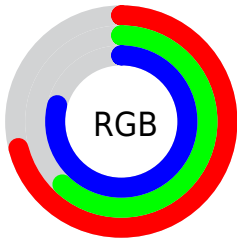
Format	Color
R_{YB}	181, 157, 201
Decimal	11902409
CIE _{Lab}	68.00, 17.15, -19.30
CIE _{LCh}	68, 25.814, 311.621
Yxy	37.9720, 0.2970, 0.2720
Android (android.graphics.Color)	4290092489 (0xFFB59DC9)
YUV	169.1920, 15.6813, 10.3556
Hunter-Lab	61.6215, 12.2754, -14.7603

Details

The CIELCh color $68, 25.814, 311.621$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $78, 25.130, 129.664$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 24.159, 312.591$, and $48, 25.603, 311.590$ is the 20% darker color. If you saturate the color by 10%, you get $62, 37.996, 312.116$, and if you desaturate by 10%, it is $74, 13.861, 311.146$.

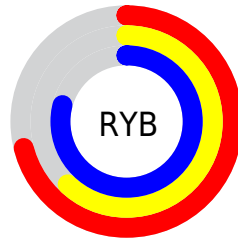
Distribution



Red (71%)

Green (62%)

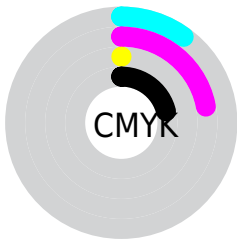
Blue (79%)



Red (71%)

Yellow (62%)

Blue (79%)

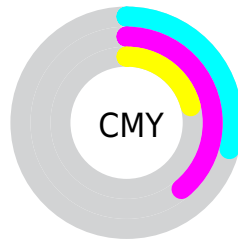


Cyan (10%)

Magenta (22%)

Yellow (0%)

Black (21%)



Cyan (29%)


Magenta (39%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 25.814, 311.621 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, 25.814, 311.621 by changing the saturation by 10% instead.

 68, 25.814,
311.621


 68, 25.814,
311.621


 100, 25.814,
311.621


 58, 25.814,
311.621


 88, 25.814,
311.621

 48, 25.814,
311.621

 98, 25.814,
311.621

 38, 25.814,
311.621

 28, 25.814,
311.621

 18, 25.814,
311.621

 8, 25.814, 311.621

 0, 25.814, 311.621

68, 25.814,
311.621

68, 25.814,
311.621

62, 37.996,
312.116

74, 13.861,
311.146

57, 50.284,
312.614

80, 2.210, 310.659

86, 9.107, 130.336

51, 62.447,
313.086

91, 20.083,
129.970

46, 74.115,
313.481

97, 29.572,
129.109

42, 84.734,
313.730

97, 28.475,
122.948

38, 93.570,
313.739


98, 27.743,
116.256

35, 99.862,
313.405

99, 27.430,
109.199

33, 103.206,

312.916

 99, 27.421,
108.095

Harmonies

Complementary

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



68, 25.814, 311.621



78, 25.130, 129.664

Rectangle

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



68, 25.814, 311.621



68, 25.814, 1.621



68, 25.814, 131.621



68, 25.814, 181.621

Sweetspot

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



68, 25.812, 311.620



95, 9.826, 310.924



71, 14.401, 262.184



50, 6.389, 310.952



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, 25.812, 311.620



82, 37.384, 311.839



70, 28.218, 326.548



39, 6.525, 311.029



26, 88.412, 313.085



2, 22.569, 307.612

Inverse Universe

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



69, 19.948, 348.192



83, 28.851, 348.678



77, 28.196, 143.909



39, 5.049, 346.935



35, 60.463, 5.875



4, 17.449, 355.717

Previews

White Background



This preview shows how the CIELCh color 68, 25.814, 311.621 looks on a white background.

Color Contrast Check

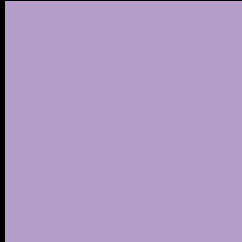
Large Text (above 18pt) WCAG AA × Fail

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, 25.814, 311.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

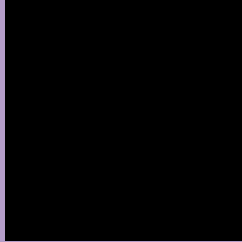
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 25.814, 311.621

Background



This preview shows how black text looks on a background with the CIELCh color 68, 25.814, 311.621.



This preview shows how white text looks on a background with the CIELCh color 68, 25.814, 311.621.

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, 25.814, 311.621

Protanopia

68, 23.228, 285.876

Deuteranopia

68, 21.017, 295.111



Tritanopia
68, 9.157, 328.773

Trichromacy



Original Color
68, 25.814, 311.621

Protanomaly
68, 23.809, 295.846

Deuteranomaly
68, 22.486, 302.188

Tritanomaly
68, 15.528, 318.169

Monochromacy



Original Color
68, 25.814, 311.621

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 9.323, 309.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 25.814, 311.621 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, 157, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 157, 201)  
}
```

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, 157, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 157, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 25.814, 311.621 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, 157, 201) }
```

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

```
.border{ border-color:rgb(181, 157, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 157, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 157, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 157, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 157,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 25.814, 311.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 157, 201) }
```

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

```
.background{ background-color: rgb(181,  
157, 201) }
```

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