

Converting Colors

CIELCh(68, 33.679, 325.657)

Have a look what the booklet for
CIELCh(68, 33.679, 325.657)
contains.

CIELCh(68, 33.477, 325.819)	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, 33.477, 325.819)

Conversions

Conversions Part 1

Format	Color
Hex	C895C8
RGB	200, 149, 200
RGB Percent	78%, 58%, 78%
CMY	0.2155, 0.4155, 0.2155
CMYK	0.00, 0.25, 0.00, 0.22
HSL	300°, 32%, 68%
HSV	300°, 25%, 78%
XYZ	45.0227, 37.9720, 59.6349
YIQ	170.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

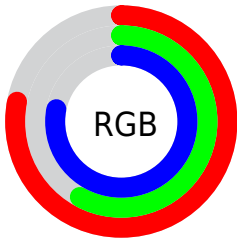
Format	Color
R_{YB}	200, 149, 200
Decimal	13145544
CIE _{Lab}	68.00, 27.69, -18.81
CIE _{LCh}	68, 33.477, 325.819
Yxy	37.9720, 0.3157, 0.2662
Android (android.graphics.Color)	4291335624 (0xFFC895C8)
YUV	170.0630, 14.7589, 26.2547
Hunter-Lab	61.6215, 22.5805, -14.2436

Details

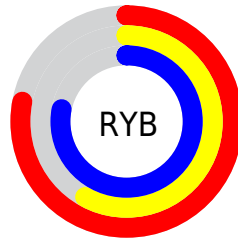
The CIELCh color $68, 33.477, 325.819$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76, 33.465, 142.737$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 31.983, 325.537$, and $48, 33.131, 325.569$ is the 20% darker color. If you saturate the color by 10%, you get $63, 46.371, 326.342$, and if you desaturate by 10%, it is $73, 20.322, 325.274$.

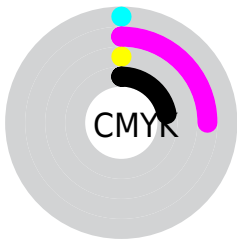
Distribution



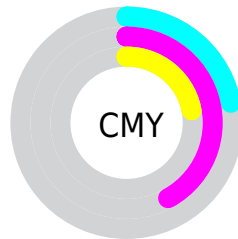
- Red (78%)
- Green (58%)
- Blue (78%)



- Red (78%)
- Yellow (58%)
- Blue (78%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (42%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 33.477, 325.819 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, 33.477, 325.819 by changing the saturation by 10% instead.


 68, 33.477,
325.819


 68, 33.477,
325.819


 100, 33.477,
325.819


 58, 33.477,
325.819


 88, 33.477,
325.819

 48, 33.477,
325.819

 98, 33.477,
325.819

 38, 33.477,
325.819

 28, 33.477,
325.819

 18, 33.477,
325.819

 8, 33.477, 325.819

 0, 33.477, 325.819

68, 33.477,
325.819

68, 33.477,
325.819

63, 46.371,
326.342

73, 20.322,
325.274

59, 58.660,
326.828

78, 7.168, 324.705

56, 69.898,
327.262

83, 5.813, 144.245

53, 79.586,
327.627

88, 18.510,
143.687

50, 87.243,
327.909

94, 30.861,
143.174

49, 92.537,
328.100

95, 34.439,
143.027


48, 95.420,
328.203

95, 34.439,
143.028

48, 96.264,

95, 34.439,
143.028

328.233

 95, 34.439,
143.028

Harmonies

Complementary

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



68, 33.477, 325.819



76, 33.465, 142.737

Rectangle

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



68, 33.477, 325.819



68, 33.477, 15.819



68, 33.477, 145.819



68, 33.477, 195.819

Sweetspot

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



68, 33.475, 325.819



95, 12.733, 324.860



63, 28.536, 293.181



50, 9.057, 324.947



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, 33.475, 325.819



82, 49.462, 326.134



67, 23.856, 345.944



39, 7.382, 324.932



39, 82.759, 328.233



4, 26.742, 327.026

Inverse Universe

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



68, 33.475, 325.819



82, 49.462, 326.134



77, 23.115, 161.360



39, 7.382, 324.932



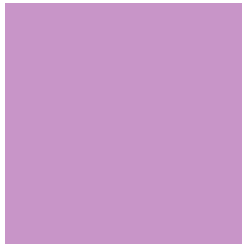
39, 82.759, 328.233



4, 26.742, 327.026

Previews

White Background



This preview shows how the CIELCh color 68, 33.477, 325.819 looks on a white background.

Color Contrast Check

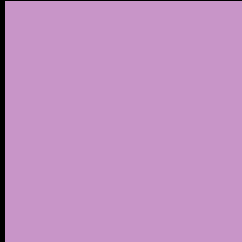
Large Text (above 18pt) WCAG AA × Fail

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, 33.477, 325.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

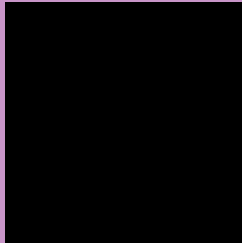
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 33.477, 325.819

Background



This preview shows how black text looks on a background with the CIELCh color 68, 33.477, 325.819.



This preview shows how white text looks on a background with the CIELCh color 68, 33.477, 325.819.

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, 33.477, 325.819

Protanopia
68, 26.007, 285.499

Deuteranopia
68, 19.974, 297.175



Tritanopia
68, 17.150, 358.594

Trichromacy



Original Color
68, 33.477, 325.819

Protanomaly
68, 26.900, 301.567

Deuteranomaly
68, 24.562, 310.857

Tritanomaly
68, 21.853, 340.833

Monochromacy



Original Color
68, 33.477, 325.819

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 12.663, 324.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 33.477, 325.819 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(200, 149, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 149, 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(200, 149, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 149, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 33.477, 325.819 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(200, 149, 200) }
```

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

```
.border{ border-color:rgb(200, 149, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 149, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 149, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 149, 200);  
box-shadow:4px 4px 4px 4px rgb(200, 149,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 33.477, 325.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 149, 200) }
```

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

```
.background{ background-color: rgb(200,  
149, 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](#).

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