

Converting Colors

CIELCh(68, 50.998, 327.598)

Have a look what the booklet for
CIELCh(68, 50.998, 327.598)
contains.

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Color

CIELCh(68, 51.274, 327.497)

Conversions

Conversions Part 1

Format	Color
Hex	DB89D8
RGB	219, 137, 216
RGB Percent	86%, 54%, 85%
CMY	0.1406, 0.4622, 0.1524
CMYK	0.00, 0.37, 0.01, 0.14
HSL	302°, 53%, 70%
HSV	302°, 37%, 86%
XYZ	50.6285, 37.9720, 69.7149
YIQ	170.5240, 23.5130, 41.9530

Conversions

Conversions Part 2

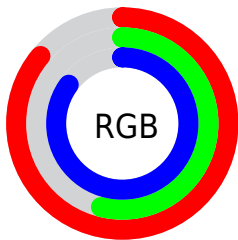
Format	Color
RYB	219, 137, 216
Decimal	14387672
CIELab	68.00, 43.24, -27.55
CIELCh	68, 51.274, 327.497
Yxy	37.9720, 0.3198, 0.2399
Android (android.graphics.Color)	4292577752 (0xFFDB89D8)
YUV	170.5240, 22.4197, 42.5135
Hunter-Lab	61.6215, 38.8191, -23.9422

Details

The CIELCh color **68, 51.274, 327.497** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81, 51.343, 142.613**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 39.507, 325.796**, and **48, 51.182, 327.652** is the 20% darker color. If you saturate the color by 10%, you get **64, 63.995, 328.008**, and if you desaturate by 10%, it is **73, 37.815, 326.955**.

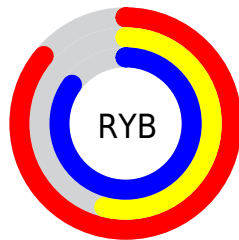
Distribution



Red (86%)

Green (54%)

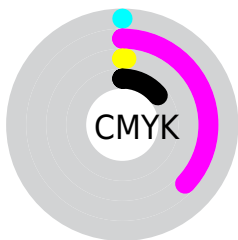
Blue (85%)



Red (86%)

Yellow (54%)

Blue (85%)

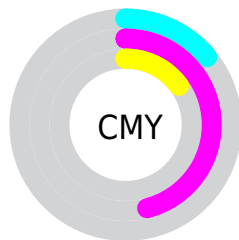


Cyan (0%)

Magenta (37%)

Yellow (1%)

Black (14%)



Cyan (14%)


Magenta (46%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 51.274, 327.497 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, 51.274, 327.497 by changing the saturation by 10% instead.


 68, 51.274,
327.497

 68, 51.274,
327.497

 100, 51.274,
327.497


 58, 51.274,
327.497

 88, 51.274,
327.497

 48, 51.274,
327.497

 98, 51.274,
327.497

 38, 51.274,
327.497

 28, 51.274,
327.497

 18, 51.274,
327.497

 8, 51.274, 327.497

 0, 51.274, 327.497

68, 51.274,
327.497

68, 51.274,
327.497

64, 63.995,
328.008

73, 37.815,
326.955

60, 75.489,
328.475

78, 24.022,
326.395

57, 85.202,
328.883

83, 10.186,
325.819

54, 92.626,
329.225

89, 3.494, 145.375

53, 97.444,
329.498

95, 16.891,
144.771

52, 99.727,
329.711

97, 21.669,
144.953

52, 100.120,
329.761

97, 21.335,
145.589

97, 21.003,
146.244

97, 20.674,
146.920

Harmonies

Complementary

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



68, 51.274, 327.497



81, 51.343, 142.613

Rectangle

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



68, 51.274, 327.497



68, 51.274, 17.497



68, 51.274, 147.497



68, 51.274, 197.497

Sweetspot

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



68, 51.271, 327.497



93, 17.107, 326.034



60, 46.299, 296.110



49, 11.502, 326.112



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, 51.271, 327.497



74, 68.940, 327.907



67, 37.110, 349.310



43, 7.804, 325.937



41, 84.111, 329.736



7, 33.690, 329.401

Inverse Universe

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



68, 51.271, 327.497



74, 68.940, 327.907



82, 35.174, 161.775



43, 7.804, 325.937



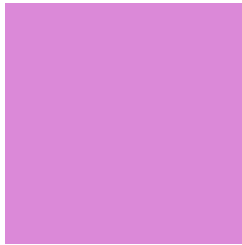
41, 84.111, 329.736



7, 33.690, 329.401

Previews

White Background



This preview shows how the CIELCh color 68, 51.274, 327.497 looks on a white background.

Color Contrast Check

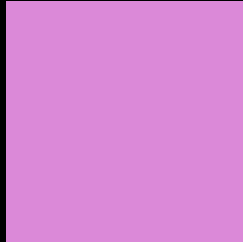
Large Text (above 18pt) WCAG AA × Fail

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, 51.274, 327.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

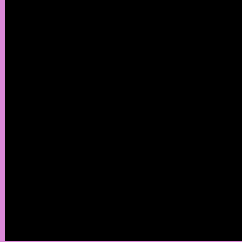
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 51.274, 327.497

Background



This preview shows how black text looks on a background with the CIELCh color 68, 51.274, 327.497.

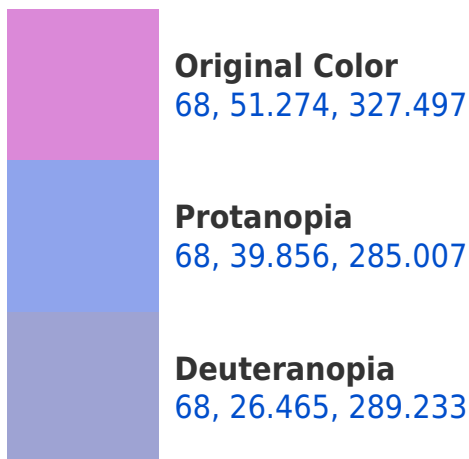



This preview shows how white text looks on a background with the CIELCh color 68, 51.274, 327.497.

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, 25.529, 8.473

Trichromacy



Original Color
68, 51.274, 327.497



Protanomaly
68, 41.908, 301.660



Deuteranomaly
68, 33.899, 308.421

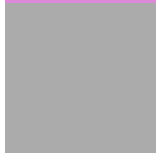


Tritanomaly
68, 32.392, 346.735

Monochromacy



Original Color
68, 51.274, 327.497



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 19.001, 327.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 51.274, 327.497 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(219, 137, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 137, 216)  
}
```

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(219, 137, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 137, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 51.274, 327.497 is called "border". The border property can be set on classes, ids or directly on the HTML element.

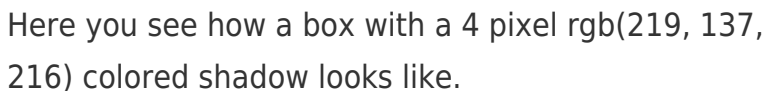
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 137, 216) }
```

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

```
.border{ border-color:rgb(219, 137, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 137, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 137, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 137, 216); box-shadow:4px 4px 4px 4px rgb(219, 137, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 51.274, 327.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 137, 216) }
```

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

```
.background{ background-color: rgb(219,  
137, 216) }
```

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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