

Converting Colors

CIELCh(63, 48.901, 327.684)

Have a look what the booklet for
CIELCh(63, 48.901, 327.684)
contains.

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Color

CIELCh(63, 49.367, 327.594)

Conversions

Conversions Part 1

Format	Color
Hex	CB7DC8
RGB	203, 125, 200
RGB Percent	80%, 49%, 78%
CMY	0.2034, 0.5093, 0.2152
CMYK	0.00, 0.38, 0.01, 0.20
HSL	302°, 43%, 64%
HSV	302°, 38%, 80%
XYZ	42.4510, 31.5869, 58.5787
YIQ	156.8720, 22.4130, 39.8610

Conversions

Conversions Part 2

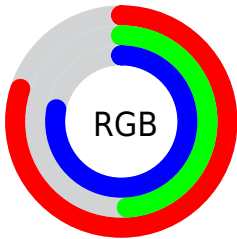
Format	Color
R _Y B	203, 125, 200
Decimal	13336008
CIE Lab	63.00, 41.68, -26.46
CIE LCh	63, 49.367, 327.594
Yxy	31.5869, 0.3201, 0.2382
Android (android.graphics.Color)	4291526088 (0xFFFCB7DC8)
YUV	156.8720, 21.2621, 40.4543
Hunter-Lab	56.2022, 36.4718, -22.4555

Details

The CIELCh color $63, 49.367, 327.594$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $75, 49.443, 142.583$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 47.584, 326.070$, and $43, 49.677, 327.388$ is the 20% darker color. If you saturate the color by 10%, you get $59, 61.242, 328.102$, and if you desaturate by 10%, it is $68, 36.768, 327.055$.

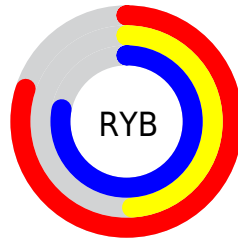
Distribution



Red (80%)

Green (49%)

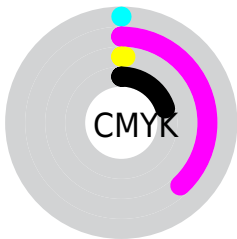
Blue (78%)



Red (80%)

Yellow (49%)

Blue (78%)

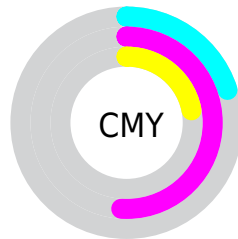


Cyan (0%)

Magenta (38%)

Yellow (1%)

Black (20%)



Cyan (20%)

Magenta (51%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 49.367, 327.594 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 63, 49.367, 327.594 by changing the saturation by 10% instead.

 63, 49.367,
327.594


 63, 49.367,
327.594

 100, 49.367,
327.594


 53, 49.367,
327.594


 83, 49.367,
327.594

 43, 49.367,
327.594

 93, 49.367,
327.594

 33, 49.367,
327.594

 23, 49.367,
327.594

 13, 49.367,
327.594

 3, 49.367, 327.594

 0, 49.367, 327.594

63, 49.367,
327.594

63, 49.367,
327.594

59, 61.242,
328.102

68, 36.768,
327.055

55, 71.931,
328.565

72, 23.832,
326.498

52, 80.919,
328.970

77, 10.834,
325.927

50, 87.739,
329.311

83, 2.033, 145.532

49, 92.110,
329.584

88, 14.644,
144.879

48, 94.200,
329.801

93, 26.928,
144.351

48, 94.456,
329.834

95, 31.470,
144.402

95, 31.144,
144.824

■ 95, 30.818,
145.255

Harmonies

Complementary

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



63, 49.367, 327.594



75, 49.443, 142.583

Rectangle

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



63, 49.367, 327.594



63, 49.367, 17.594



63, 49.367, 147.594



63, 49.367, 197.594

Sweetspot

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



63, 49.365, 327.594



93, 18.648, 326.144



56, 44.747, 296.240



48, 12.377, 326.219



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 49.365, 327.594



74, 70.253, 328.014



62, 35.801, 349.415



40, 7.344, 325.985



39, 81.244, 329.810



5, 28.161, 328.764

Inverse Universe

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



63, 49.365, 327.594



74, 70.253, 328.014



76, 33.900, 161.678



40, 7.344, 325.985



39, 81.244, 329.810



5, 28.161, 328.764

Previews

White Background



This preview shows how the CIELCh color 63, 49.367, 327.594 looks on a white background.

Color Contrast Check

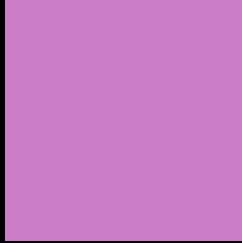
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 49.367, 327.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

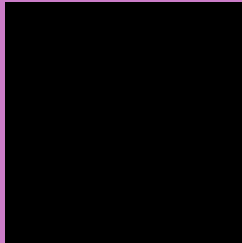
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 49.367, 327.594

Background



This preview shows how black text looks on a background with the CIELCh color 63, 49.367, 327.594.

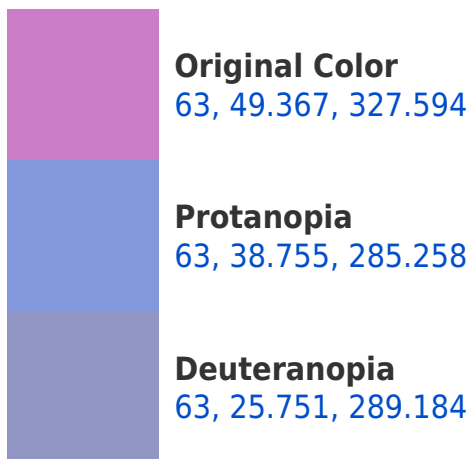


This preview shows how white text looks on a background with the CIELCh color 63, 49.367, 327.594.

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
63, 24.750, 7.919

Trichromacy



Original Color
63, 49.367, 327.594



Protanomaly
63, 40.209, 301.199



Deuteranomaly
63, 32.702, 308.648



Tritanomaly
63, 31.598, 346.415

Monochromacy



Original Color
63, 49.367, 327.594



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 19.071, 326.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 49.367, 327.594 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(203, 125, 200)` looks like.

```
.text, #text, p{  
    color:rgb(203, 125, 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(203, 125, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 125, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 49.367, 327.594 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(203, 125, 200) }
```

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

```
.border{ border-color:rgb(203, 125, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 125, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 125, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 125, 200);  
box-shadow:4px 4px 4px 4px rgb(203, 125,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 49.367, 327.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 125, 200) }
```

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

```
.background{ background-color: rgb(203,  
125, 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](#).

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