

Converting Colors

CIELCh(67, 50.818, 320.679)

Have a look what the booklet for
CIELCh(67, 50.818, 320.679)
contains.

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Color

CIELCh(67, 50.818, 320.679)

Conversions

Conversions Part 1

Format	Color
Hex	CE8BDE
RGB	206, 139, 222
RGB Percent	81%, 55%, 87%
CMY	0.1941, 0.4567, 0.1313
CMYK	0.07, 0.37, 0.00, 0.13
HSL	288°, 55%, 71%
HSV	288°, 37%, 87%
XYZ	47.6031, 36.6320, 73.3252
YIQ	168.4950, 13.2890, 40.0170

Conversions

Conversions Part 2

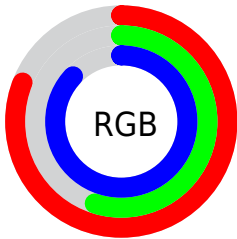
Format	Color
R _Y B	206, 139, 222
Decimal	13536222
CIE Lab	67.00, 39.31, -32.20
CIE LCh	67, 50.818, 320.679
Yxy	36.6320, 0.3021, 0.2325
Android (android.graphics.Color)	4291726302 (0xFFCE8BDE)
YUV	168.4950, 26.3780, 32.8919
Hunter-Lab	60.5244, 34.4748, -29.4627

Details

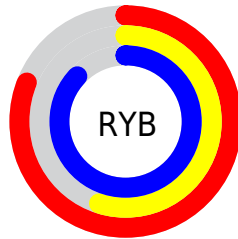
The CIELCh color $67, 50.818, 320.679$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82, 50.031, 136.933$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 38.257, 325.753$, and $47, 51.170, 320.439$ is the 20% darker color. If you saturate the color by 10%, you get $62, 63.954, 321.064$, and if you desaturate by 10%, it is $72, 37.245, 320.249$.

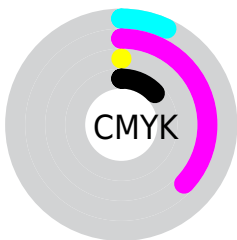
Distribution



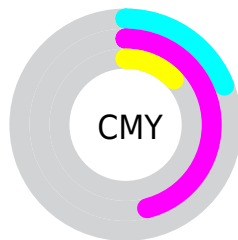
- Red (81%)
- Green (55%)
- Blue (87%)



- Red (81%)
- Yellow (55%)
- Blue (87%)



- Cyan (7%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)





- Cyan (19%)
- Magenta (46%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.818, 320.679 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 67, 50.818, 320.679 by changing the saturation by 10% instead.

 67, 50.818,
320.679


 67, 50.818,
320.679


 100, 50.818,
320.679


 57, 50.818,
320.679


 87, 50.818,
320.679

 47, 50.818,
320.679

 97, 50.818,
320.679

 37, 50.818,
320.679

 27, 50.818,
320.679

 17, 50.818,
320.679

 7, 50.818, 320.679

 0, 50.818, 320.679

67, 50.818,
320.679

67, 50.818,
320.679

62, 63.954,
321.064

72, 37.245,
320.249

57, 76.211,
321.371

78, 23.563,
319.796

53, 87.017,
321.559

84, 9.983, 319.333

50, 95.742,
321.584

90, 3.359, 138.984

47, 101.847,
321.403

96, 16.387,
138.510

46, 105.177,
320.995

98, 19.130,
135.550

45, 105.812,
320.876

98, 18.466,
131.416

98, 17.905,
126.955

■ 98, 17.461,
122.194

Harmonies

Complementary

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



67, 50.818, 320.679



82, 50.031, 136.933

Rectangle

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



67, 50.818, 320.679



67, 50.818, 10.679



67, 50.818, 140.679



67, 50.818, 190.679

Sweetspot

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



67, 50.816, 320.679



93, 16.565, 319.503



65, 37.041, 286.063



49, 11.143, 319.566



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 50.816, 320.679



72, 68.125, 320.988



68, 43.295, 337.078



43, 7.554, 319.426



35, 88.096, 320.988



5, 33.592, 321.370

Inverse Universe

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



67, 33.971, 8.321



71, 46.292, 9.791



82, 42.808, 151.063



43, 4.783, 4.611



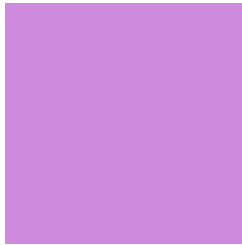
36, 69.754, 29.710



5, 23.739, 11.932

Previews

White Background



This preview shows how the CIELCh color 67, 50.818, 320.679 looks on a white background.

Color Contrast Check

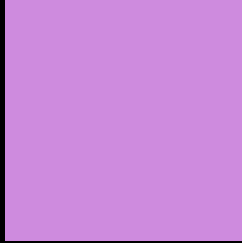
Large Text (above 18pt) WCAG AA × Fail

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 67, 50.818, 320.679 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 67, 50.818, 320.679

Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.818, 320.679.

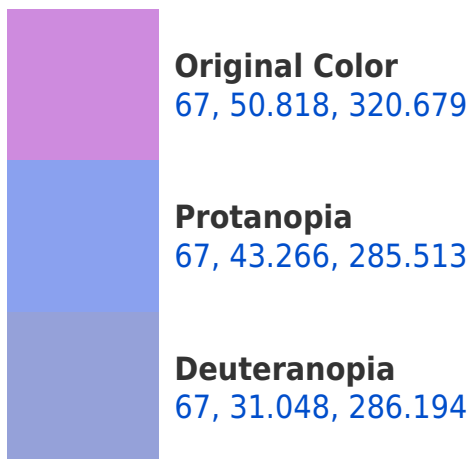



This preview shows how white text looks on a background with the CIELCh color 67, 50.818, 320.679.

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
67, 18.930, 2.755

Trichromacy



Original Color
67, 50.818, 320.679



Protanomaly
67, 44.463, 298.539



Deuteranomaly
67, 37.094, 302.434



Tritanomaly
67, 28.913, 336.051

Monochromacy



Original Color
67, 50.818, 320.679



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 18.986, 320.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 50.818, 320.679 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(206, 139, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 222)  
}
```

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(206, 139, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 50.818, 320.679 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(206, 139, 222) }
```

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

```
.border{ border-color:rgb(206, 139, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 50.818, 320.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 222) }
```

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

```
.background{ background-color: rgb(206,  
139, 222) }
```

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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