

Converting Colors

CIELCh(69, 45.987, 326.961)

Have a look what the booklet for
CIELCh(69, 45.987, 326.961)
contains.

CIELCh(69, 45.570, 327.021)	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(69, 45.570, 327.021)

Conversions

Conversions Part 1

Format	Color
Hex	D890D6
RGB	216, 144, 214
RGB Percent	85%, 56%, 84%
CMY	0.1534, 0.4357, 0.1612
CMYK	0.00, 0.33, 0.01, 0.15
HSL	302°, 48%, 71%
HSV	302°, 33%, 85%
XYZ	50.3648, 39.3444, 68.4818
YIQ	173.5080, 20.4420, 37.0340

Conversions

Conversions Part 2

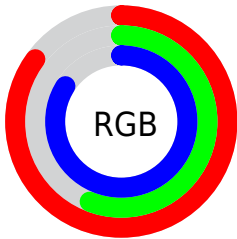
Format	Color
RYB	216, 144, 214
Decimal	14192854
CIELab	69.00, 38.23, -24.81
CIELCh	69, 45.570, 327.021
Yxy	39.3444, 0.3184, 0.2487
Android (android.graphics.Color)	4292382934 (0xFFD890D6)
YUV	173.5080, 19.9626, 37.2655
Hunter-Lab	62.7251, 33.5568, -20.8238

Details

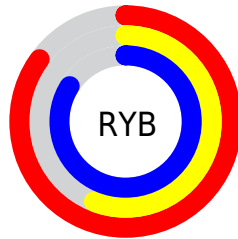
The CIELCh color `69, 45.570, 327.021` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `80, 45.594, 142.769`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `87, 35.124, 325.645`, and `49, 45.507, 327.072` is the 20% darker color. If you saturate the color by 10%, you get `64, 58.565, 327.539`, and if you desaturate by 10%, it is `74, 32.016, 326.476`.

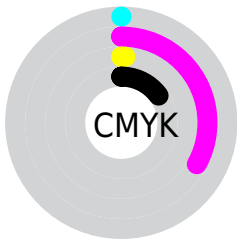
Distribution



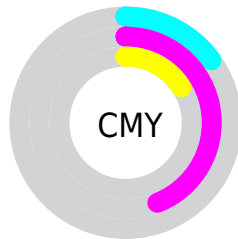
- Red (85%)
- Green (56%)
- Blue (84%)



- Red (85%)
- Yellow (56%)
- Blue (84%)



- Cyan (0%)
- Magenta (33%)
- Yellow (1%)
- Black (15%)





- Cyan (15%)
- Magenta (44%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 45.570, 327.021 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 69, 45.570, 327.021 by changing the saturation by 10% instead.


 69, 45.570,
327.021


 69, 45.570,
327.021


 100, 45.570,
327.021


 59, 45.570,
327.021


 89, 45.570,
327.021

 49, 45.570,
327.021

 99, 45.570,
327.021

 39, 45.570,
327.021

 29, 45.570,
327.021

 19, 45.570,
327.021

 9, 45.570, 327.021

 0, 45.570, 327.021

69, 45.570,
327.021

69, 45.570,
327.021

64, 58.565,
327.539

74, 32.016,
326.476

60, 70.555,
328.015

79, 18.262,
325.915

57, 81.007,
328.436

84, 4.554, 325.313

54, 89.389,
328.787

90, 8.940, 144.860

52, 95.295,
329.065

96, 22.120,
144.311


51, 98.594,
329.270

96, 23.804,
144.592

51, 99.703,
329.379

96, 23.553,
145.020

96, 23.304,
145.456

 97, 23.056,
145.901

Harmonies

Complementary

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



69, 45.570, 327.021



80, 45.594, 142.769

Rectangle

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



69, 45.570, 327.021



69, 45.570, 17.021



69, 45.570, 147.021



69, 45.570, 197.021

Sweetspot

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



69, 45.568, 327.021



94, 15.637, 325.729



62, 40.396, 294.936



49, 10.676, 325.810



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 45.568, 327.021



77, 62.128, 327.389



68, 32.970, 347.798



42, 7.701, 325.689



40, 83.775, 329.360



6, 32.297, 328.955

Inverse Universe

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



69, 45.568, 327.021



77, 62.128, 327.389



81, 31.539, 161.363



42, 7.701, 325.689



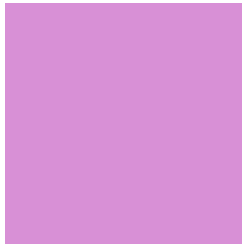
40, 83.775, 329.360



6, 32.297, 328.955

Previews

White Background



This preview shows how the CIELCh color 69, 45.570, 327.021 looks on a white background.

Color Contrast Check

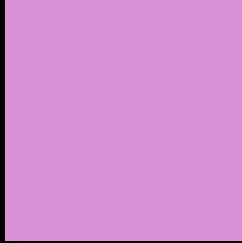
Large Text (above 18pt) WCAG AA × Fail

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 69, 45.570, 327.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

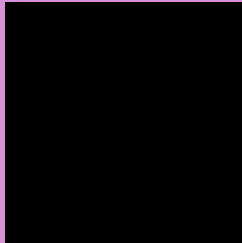
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 45.570, 327.021

Background



This preview shows how black text looks on a background with the CIELCh color 69, 45.570, 327.021.

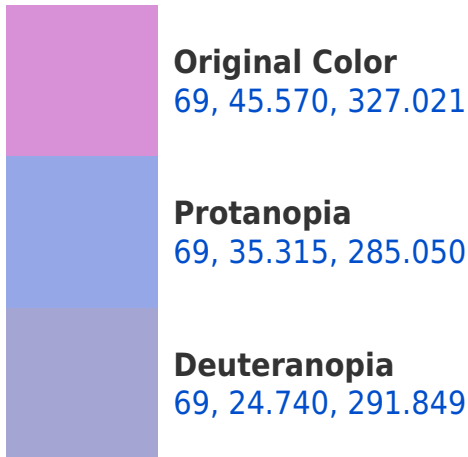


This preview shows how white text looks on a background with the CIELCh color 69, 45.570, 327.021.

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
69, 22.286, 6.071

Trichromacy



Original Color
69, 45.570, 327.021



Protanomaly
69, 36.768, 301.346



Deuteranomaly
69, 31.188, 309.671



Tritanomaly
69, 29.315, 344.559

Monochromacy



Original Color
69, 45.570, 327.021



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 17.440, 326.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 45.570, 327.021 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(216, 144, 214)` looks like.

```
.text, #text, p{  
    color:rgb(216, 144, 214)  
}
```

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(216, 144, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 144, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 45.570, 327.021 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(216, 144, 214) }
```

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

```
.border{ border-color:rgb(216, 144, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 144, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 144, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 144, 214);  
box-shadow:4px 4px 4px 4px rgb(216, 144,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 45.570, 327.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 144, 214) }
```

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

```
.background{ background-color: rgb(216,  
144, 214) }
```

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