

Converting Colors

CIELCh(57, 82.284, 329.716)

Have a look what the booklet for
CIELCh(57, 82.284, 329.716)
contains.

CIELCh(57, 82.321, 329.927)	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(57, 82.321, 329.927)

Conversions

Conversions Part 1

Format	Color
Hex	DC4BD2
RGB	220, 75, 210
RGB Percent	86%, 29%, 82%
CMY	0.1370, 0.7056, 0.1762
CMYK	0.00, 0.66, 0.05, 0.14
HSL	304°, 67%, 58%
HSV	304°, 66%, 86%
XYZ	43.6953, 24.9227, 63.5190
YIQ	133.7450, 43.0850, 72.7250

Conversions

Conversions Part 2

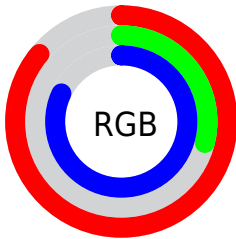
Format	Color
R _{YB}	220, 75, 210
Decimal	14437330
CIE Lab	57.00, 71.24, -41.25
CIE LCh	57, 82.321, 329.927
Yxy	24.9227, 0.3307, 0.1886
Android (android.graphics.Color)	4292627410 (0xFFDC4BD2)
YUV	133.7450, 37.5937, 75.6456
Hunter-Lab	49.9226, 68.8696, -40.4918

Details

The CIELCh color **57, 82.321, 329.927** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **78, 84.072, 140.158**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 74.128, 326.948**, and **38, 79.603, 329.754** is the 20% darker color. If you saturate the color by 10%, you get **54, 89.930, 330.355**, and if you desaturate by 10%, it is **60, 72.493, 329.452**.

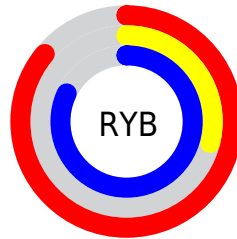
Distribution



Red (86%)

Green (29%)

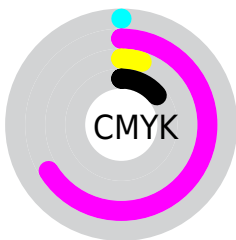
Blue (82%)



Red (86%)

Yellow (29%)

Blue (82%)

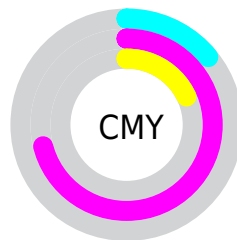


Cyan (0%)

Magenta (66%)

Yellow (5%)

Black (14%)



Cyan (14%)


Magenta (71%)


Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 82.321, 329.927 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 57, 82.321, 329.927 by changing the saturation by 10% instead.


 57, 82.321,
329.927


 57, 82.321,
329.927

 100, 82.321,
329.927

 47, 82.321,
329.927


 77, 82.321,
329.927

 37, 82.321,
329.927

 87, 82.321,
329.927

 27, 82.321,
329.927

 97, 82.321,
329.927

 17, 82.321,
329.927

 7, 82.321, 329.927

 0, 82.321, 329.927

57, 82.321,
329.927

57, 82.321,
329.927

54, 89.930,
330.355

60, 72.493,
329.452

53, 94.958,
330.737

64, 60.985,
328.936

52, 97.357,
331.083

69, 48.345,
328.389

51, 97.888,
331.220

74, 35.054,
327.821

79, 21.489,
327.243

84, 7.921, 326.649

90, 5.468, 146.180

96, 18.564,
145.598

■ 97, 20.318,
146.556

Harmonies

Complementary

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



57, 82.321, 329.927



78, 84.072, 140.158

Rectangle

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



57, 82.321, 329.927



57, 82.321, 19.927



57, 82.321, 149.927



57, 82.321, 199.927

Sweetspot

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



57, 82.318, 329.927



88, 30.521, 327.491



41, 86.002, 302.103



45, 20.828, 327.655



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 82.318, 329.927



62, 102.984, 330.504



54, 61.697, 356.559



43, 7.633, 326.864



40, 82.009, 331.169



7, 32.934, 330.560

Inverse Universe

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



57, 82.318, 329.927



62, 102.984, 330.504



79, 56.551, 159.499



43, 7.633, 326.864



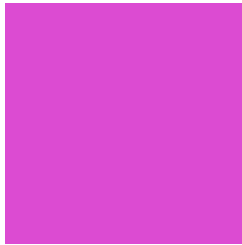
40, 82.009, 331.169



7, 32.934, 330.560

Previews

White Background



This preview shows how the CIELCh color 57, 82.321, 329.927 looks on a white background.

Color Contrast Check

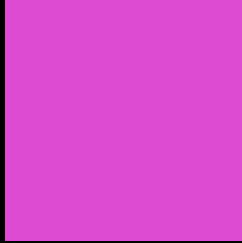
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 82.321, 329.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

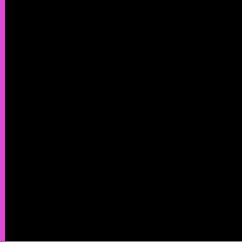
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 82.321, 329.927

Background



This preview shows how black text looks on a background with the CIELCh color 57, 82.321, 329.927.

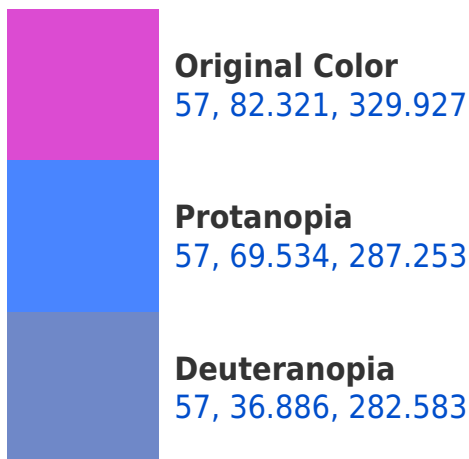


This preview shows how white text looks on a background with the CIELCh color 57, 82.321, 329.927.

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
57, 44.341, 20.185

Trichromacy



Original Color
57, 82.321, 329.927



Protanomaly
54, 72.808, 300.858



Deuteranomaly
55, 52.991, 308.495



Tritanomaly
56, 52.813, 352.981

Monochromacy



Original Color
57, 82.321, 329.927



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 33.963, 327.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 82.321, 329.927 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(220, 75, 210)` looks like.

```
.text, #text, p{  
    color:rgb(220, 75, 210)  
}
```

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(220, 75, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 75, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 82.321, 329.927 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(220, 75, 210) }
```

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

```
.border{ border-color:rgb(220, 75, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 75, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 75, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 75, 210);  
box-shadow:4px 4px 4px 4px rgb(220, 75,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 82.321, 329.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 75, 210) }
```

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

```
.background{ background-color: rgb(220, 75,  
210) }
```

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