

# Converting Colors

CIELCh(71, 35.448, 324.348)

Have a look what the booklet for  
CIELCh(71, 35.448, 324.348)  
contains.

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**Color**

**CIELCh(71, 35.825, 324.343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D19CD4
RGB	209, 156, 212
RGB Percent	82%, 61%, 83%
CMY	0.1796, 0.3875, 0.1679
CMYK	0.01, 0.26, 0.00, 0.17
HSL	297°, 40%, 72%
HSV	297°, 26%, 83%
XYZ	50.1791, 42.1875, 67.9158
YIQ	178.2310, 13.6120, 28.6520

# Conversions

## Conversions Part 2

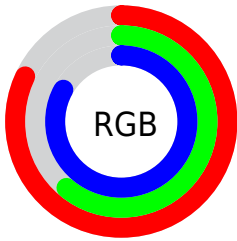
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 156, 212
Decimal	13737172
CIE Lab	71.00, 29.11, -20.88
CIE LCh	71, 35.825, 324.343
Yxy	42.1875, 0.3131, 0.2632
Android (android.graphics.Color)	4291927252 (0xFFD19CD4)
YUV	178.2310, 16.6481, 26.9844
Hunter-Lab	64.9519, 24.2356, -16.5292

# Details

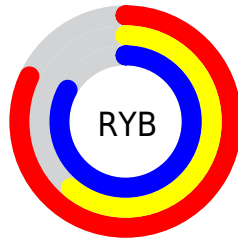
The CIELCh color  $71, 35.825, 324.343$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $80, 35.719, 141.351$ , and the grayscale version is  $73, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 27.578, 325.385$ , and  $51, 35.755, 324.580$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 49.197, 324.830$ , and if you desaturate by 10%, it is  $76, 22.209, 323.832$ .

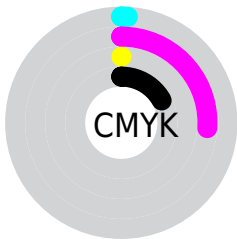
# Distribution



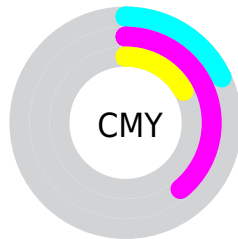
- Red (82%)
- Green (61%)
- Blue (83%)



- Red (82%)
- Yellow (61%)
- Blue (83%)



- Cyan (1%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)




- Cyan (18%)
- Magenta (39%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 35.825, 324.343 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 71, 35.825, 324.343 by changing the saturation by 10% instead.





 71, 35.825,  
324.343


 71, 35.825,  
324.343


 100, 35.825,  
324.343


 61, 35.825,  
324.343


 91, 35.825,  
324.343

 51, 35.825,  
324.343

 41, 35.825,  
324.343

 31, 35.825,  
324.343

 21, 35.825,  
324.343

 11, 35.825,  
324.343

 1, 35.825, 324.343

0, 35.825, 324.343

71, 35.825,  
324.343

71, 35.825,  
324.343

66, 49.197,  
324.830

76, 22.209,  
323.832

62, 61.974,  
325.276

81, 8.612, 323.300

58, 73.691,  
325.660

87, 4.798, 142.876

93, 17.915,  
142.344

54, 83.810,  
325.957

96, 26.257,  
141.788

52, 91.802,  
326.147

96, 26.032,  
141.086

50, 97.281,  
326.214

96, 25.811,

■ 49,100.191,  
326.154

140.370

■ 48,100.900,  
326.116

■ 97,25.594,  
139.639

■ 97,25.380,  
138.893

# Harmonies

# Complementary

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



71, 35.825, 324.343



80, 35.719, 141.351

# Rectangle

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



71, 35.825, 324.343



71, 35.825, 14.343



71, 35.825, 144.343



71, 35.825, 194.343

# Sweetspot

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



71, 35.823, 324.343



95, 12.523, 323.393



67, 28.886, 290.654



50, 8.908, 323.475



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 35.823, 324.343



81, 50.337, 324.637



71, 27.041, 342.444



42, 7.719, 323.465



39, 85.850, 326.147



6, 32.625, 326.153



# Inverse Universe

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



70, 22.317, 17.356



79, 32.029, 18.139



81, 26.425, 157.937



42, 4.555, 15.598



35, 75.132, 37.697



5, 21.967, 17.380



# Previews

## White Background



This preview shows how the CIELCh color 71, 35.825, 324.343 looks on a white background.

## Color Contrast Check

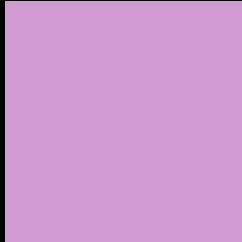
Large Text (above 18pt) WCAG AA × Fail

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 71, 35.825, 324.343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

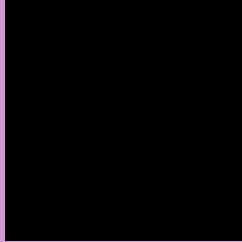
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 35.825, 324.343

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 35.825, 324.343.



This preview shows how white text looks on a background with the CIELCh color 71, 35.825, 324.343.

# 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

71, 17.184, 356.804

# Trichromacy



**Original Color**  
71, 35.825, 324.343

**Protanomaly**  
71, 29.437, 301.495

**Deuteranomaly**  
71, 26.323, 308.619

**Tritanomaly**  
71, 22.634, 339.284

# Monochromacy



**Original Color**  
71, 35.825, 324.343

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
72, 13.009, 323.619

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 35.825, 324.343 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(209, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(209, 156, 212)  
}
```

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(209, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 156, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 35.825, 324.343 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(209, 156, 212) }
```

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

```
.border{ border-color:rgb(209, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 156, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 156, 212);  
box-shadow:4px 4px 4px 4px rgb(209, 156,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 35.825, 324.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 156, 212) }
```

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

```
.background{ background-color: rgb(209,  
156, 212) }
```

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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