

Converting Colors

CIELCh(52, 77.893, 336.030)

Have a look what the booklet for
CIELCh(52, 77.893, 336.030)
contains.

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Color

CIELCh(52, 77.896, 335.951)

Conversions

Conversions Part 1

Format	Color
Hex	D439B4
RGB	212, 57, 180
RGB Percent	83%, 22%, 71%
CMY	0.1696, 0.7775, 0.2950
CMYK	0.00, 0.73, 0.15, 0.17
HSL	312°, 64%, 53%
HSV	312°, 73%, 83%
XYZ	36.7438, 20.1443, 45.0092
YIQ	117.3670, 52.8970, 71.1130

Conversions

Conversions Part 2

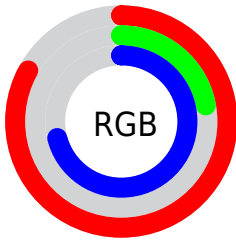
Format	Color
R _Y B	212, 57, 180
Decimal	13908404
CIE Lab	52.00, 71.13, -31.74
CIE LCh	52, 77.896, 335.951
Yxy	20.1443, 0.3606, 0.1977
Android (android.graphics.Color)	4292098484 (0xFFD439B4)
YUV	117.3670, 30.8781, 82.9931
Hunter-Lab	44.8824, 67.5878, -28.0397

Details

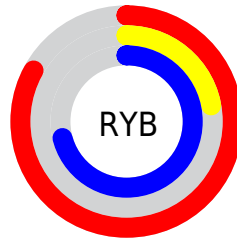
The CIELCh color **52, 77.896, 335.951** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **75, 80.867, 142.898**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 75.329, 331.796**, and **35, 69.260, 336.241** is the 20% darker color. If you saturate the color by 10%, you get **50, 82.753, 336.859**, and if you desaturate by 10%, it is **55, 70.660, 335.126**.

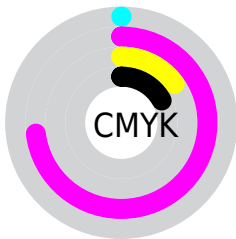
Distribution



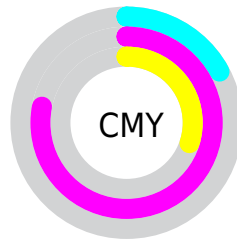
- Red (83%)
- Green (22%)
- Blue (71%)



- Red (83%)
- Yellow (22%)
- Blue (71%)



- Cyan (0%)
- Magenta (73%)
- Yellow (15%)
- Black (17%)





- Cyan (17%)
- Magenta (78%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 77.896, 335.951 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 52, 77.896, 335.951 by changing the saturation by 10% instead.


 52, 77.896,
335.951


 52, 77.896,
335.951


 100, 77.896,
335.951


 42, 77.896,
335.951


 72, 77.896,
335.951

 32, 77.896,
335.951

 82, 77.896,
335.951

 22, 77.896,
335.951

 92, 77.896,
335.951

 12, 77.896,
335.951

 2, 77.896, 335.951

 0, 77.896, 335.951

52, 77.896,
335.951

52, 77.896,
335.951

50, 82.753,
336.859

55, 70.660,
335.126

49, 85.048,
337.888

59, 61.504,
334.354

48, 85.498,
338.658

63, 50.968,
333.619

67, 39.565,
332.911

72, 27.711,
332.225

78, 15.718,
331.559

83, 3.798, 330.863

89, 7.915, 150.385

■ 94, 19.341,
149.784

Harmonies

Complementary

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



52, 77.896, 335.951



75, 80.867, 142.898

Rectangle

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



52, 77.896, 335.951



52, 77.896, 25.951



52, 77.896, 155.951



52, 77.896, 205.951

Sweetspot

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



52, 77.893, 335.951



86, 30.536, 332.160



37, 92.058, 305.622



44, 20.522, 332.345



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 77.893, 335.951



59, 97.077, 337.431



49, 63.436, 9.057



42, 6.800, 331.309



39, 73.028, 338.469



6, 28.313, 336.175

Inverse Universe

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



52, 77.893, 335.951



59, 97.077, 337.431



76, 51.920, 166.980



42, 6.800, 331.309



39, 73.028, 338.469



6, 28.313, 336.175

Previews

White Background



This preview shows how the CIELCh color 52, 77.896, 335.951 looks on a white background.

Color Contrast Check

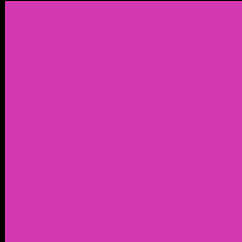
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 77.896, 335.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

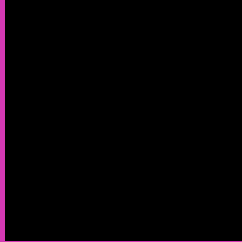
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 77.896, 335.951

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.896, 335.951.



This preview shows how white text looks on a background with the CIELCh color 52, 77.896, 335.951.

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



Original Color
52, 77.896, 335.951

Protanopia
53, 65.516, 287.191

Deuteranopia
52, 27.449, 284.563



Tritanopia
52, 51.297, 23.843

Trichromacy



Original Color
52, 77.896, 335.951



Protanomaly
49, 67.953, 302.552



Deuteranomaly
50, 46.647, 315.649



Tritanomaly
51, 55.825, 0.877

Monochromacy



Original Color
52, 77.896, 335.951



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 33.701, 332.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.896, 335.951 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(212, 57, 180)` looks like.

```
.text, #text, p{  
    color:rgb(212, 57, 180)  
}
```

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(212, 57, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 57, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.896, 335.951 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(212, 57, 180) }
```

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

```
.border{ border-color:rgb(212, 57, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 57, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 57, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 57, 180);  
box-shadow:4px 4px 4px 4px rgb(212, 57,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.896, 335.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 57, 180) }
```

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

```
.background{ background-color: rgb(212, 57,  
180) }
```

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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