

Converting Colors

CIELCh(53, 66.651, 335.284)

Have a look what the booklet for
CIELCh(53, 66.651, 335.284)
contains.

CIELCh(53, 66.899, 335.080)	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(53, 66.899, 335.080)

Conversions

Conversions Part 1

Format	Color
Hex	CA4DB0
RGB	202, 77, 176
RGB Percent	79%, 30%, 69%
CMY	0.2072, 0.6974, 0.3093
CMYK	0.00, 0.62, 0.13, 0.21
HSL	312°, 54%, 55%
HSV	312°, 62%, 79%
XYZ	34.9128, 21.0462, 43.3693
YIQ	125.6610, 42.7210, 57.2890

Conversions

Conversions Part 2

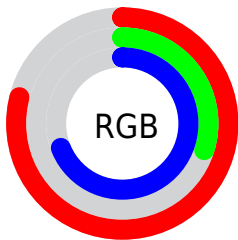
Format	Color
R_{YB}	202, 77, 176
Decimal	13258160
CIE _{Lab}	53.00, 60.67, -28.19
CIE _{LCh}	53, 66.899, 335.080
Yxy	21.0462, 0.3515, 0.2119
Android (android.graphics.Color)	4291448240 (0xFFCA4DB0)
YUV	125.6610, 24.8171, 66.9493
Hunter-Lab	45.8761, 55.5593, -23.9369

Details

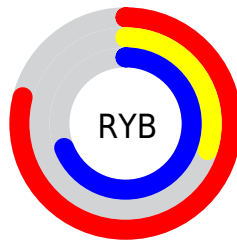
The CIELCh color **53, 66.899, 335.080** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **73, 67.866, 144.731**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 65.812, 333.292**, and **33, 66.920, 335.232** is the 20% darker color. If you saturate the color by 10%, you get **50, 74.177, 335.899**, and if you desaturate by 10%, it is **57, 57.850, 334.313**.

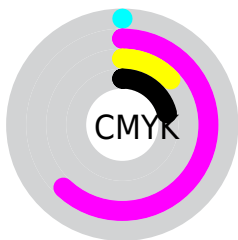
Distribution



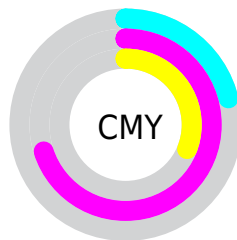
- Red (79%)
- Green (30%)
- Blue (69%)



- Red (79%)
- Yellow (30%)
- Blue (69%)



- Cyan (0%)
- Magenta (62%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (70%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 66.899, 335.080 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 53, 66.899, 335.080 by changing the saturation by 10% instead.


 53, 66.899,
335.080


 53, 66.899,
335.080


 100, 66.899,
335.080


 43, 66.899,
335.080


 73, 66.899,
335.080

 33, 66.899,
335.080

 83, 66.899,
335.080

 23, 66.899,
335.080

 93, 66.899,
335.080

 13, 66.899,
335.080

 3, 66.899, 335.080

 0, 66.899, 335.080

■ 53, 66.899,
335.080

■ 53, 66.899,
335.080

■ 50, 74.177,
335.899

■ 57, 57.850,
334.313

■ 48, 79.237,
336.796

■ 61, 47.559,
333.581

■ 46, 81.840,
337.810

■ 65, 36.503,
332.876

■ 46, 82.504,
338.732

■ 70, 25.066,
332.194

■ 75, 13.530,
331.531

■ 80, 2.087, 330.776

■ 86, 9.144, 150.361

■ 91, 20.091,
149.771

■ 96, 28.261,
149.891

Harmonies

Complementary

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



53, 66.899, 335.080



73, 67.866, 144.731

Rectangle

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



53, 66.899, 335.080



53, 66.899, 25.080



53, 66.899, 155.080



53, 66.899, 205.080

Sweetspot

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



53, 66.896, 335.080



88, 26.320, 332.022



42, 74.638, 304.215



45, 18.127, 332.216



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 66.896, 335.080



62, 90.580, 336.174



51, 53.059, 5.452



40, 6.523, 331.370



37, 71.343, 338.550



5, 24.493, 335.774

Inverse Universe

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



53, 66.896, 335.080



62, 90.580, 336.174



74, 44.345, 168.872



40, 6.523, 331.370



37, 71.343, 338.550



5, 24.493, 335.774

Previews

White Background



This preview shows how the CIELCh color 53, 66.899, 335.080 looks on a white background.

Color Contrast Check

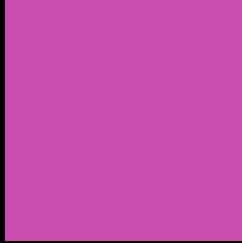
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 66.899, 335.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

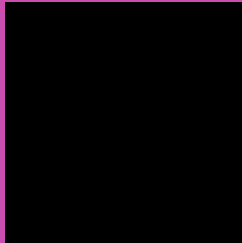
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 66.899, 335.080

Background



This preview shows how black text looks on a background with the CIELCh color 53, 66.899, 335.080.

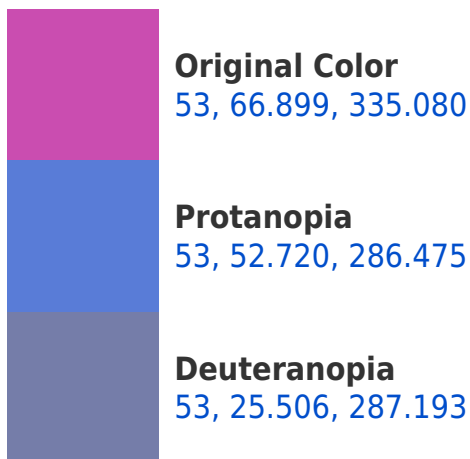


This preview shows how white text looks on a background with the CIELCh color 53, 66.899, 335.080.

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](#).

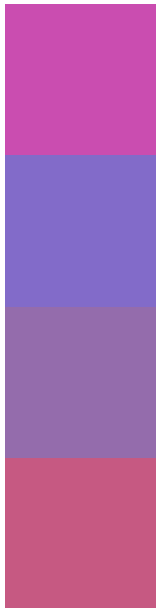
Dichromacy





Tritanopia
53, 42.797, 20.106

Trichromacy



Original Color
53, 66.899, 335.080

Protanomaly
51, 55.146, 303.640

Deuteranomaly
52, 39.728, 314.919

Tritanomaly
53, 47.722, 358.154

Monochromacy



Original Color
53, 66.899, 335.080

Achromatopsia
53, 0.007, 296.813

Achromatomaly
51, 27.290, 333.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 66.899, 335.080 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(202, 77, 176)` looks like.

```
.text, #text, p{  
    color:rgb(202, 77, 176)  
}
```

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(202, 77, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 77, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 66.899, 335.080 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(202, 77, 176) }
```

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

```
.border{ border-color:rgb(202, 77, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 77, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 77, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 77, 176);  
box-shadow:4px 4px 4px 4px rgb(202, 77,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 66.899, 335.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 77, 176) }
```

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

```
.background{ background-color: rgb(202, 77,  
176) }
```

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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