

Converting Colors

CIELCh(51, 85.999, 328.171)

Have a look what the booklet for
CIELCh(51, 85.999, 328.171)
contains.

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Color

CIELCh(51, 85.952, 328.308)

Conversions

Conversions Part 1

Format	Color
Hex	CA35C8
RGB	202, 53, 200
RGB Percent	79%, 21%, 78%
CMY	0.2079, 0.7922, 0.2157
CMYK	0.00, 0.74, 0.01, 0.21
HSL	301°, 58%, 50%
HSV	301°, 74%, 79%
XYZ	36.0492, 19.2686, 56.4539
YIQ	114.3090, 41.6170, 77.3050

Conversions

Conversions Part 2

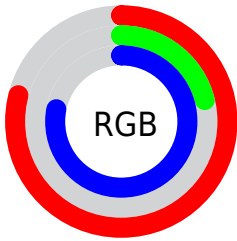
Format	Color
R _{YB}	202, 53, 200
Decimal	13252040
CIE _{Lab}	51.00, 73.14, -45.16
CIE _{LCh}	51, 85.952, 328.308
Yxy	19.2686, 0.3225, 0.1724
Android (android.graphics.Color)	4291442120 (0xFFCA35C8)
YUV	114.3090, 42.2457, 76.9050
Hunter-Lab	43.8960, 69.7736, -45.5245

Details

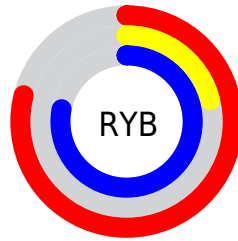
The CIELCh color **51, 85.952, 328.308** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **72, 87.961, 137.992**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 84.162, 327.270**, and **34, 75.908, 327.965** is the 20% darker color. If you saturate the color by 10%, you get **49, 91.612, 328.547**, and if you desaturate by 10%, it is **54, 77.945, 327.987**.

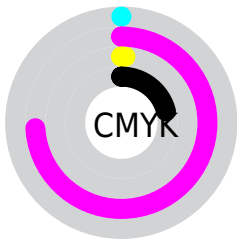
Distribution



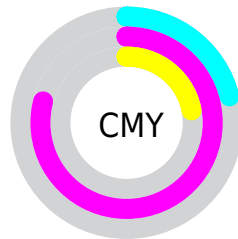
- Red (79%)
- Green (21%)
- Blue (78%)



- Red (79%)
- Yellow (21%)
- Blue (78%)



- Cyan (0%)
- Magenta (74%)
- Yellow (1%)
- Black (21%)





- Cyan (21%)
- Magenta (79%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 85.952, 328.308 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 51, 85.952, 328.308 by changing the saturation by 10% instead.


 51, 85.952,
328.308


 51, 85.952,
328.308


 100, 85.952,
328.308


 41, 85.952,
328.308


 71, 85.952,
328.308

 31, 85.952,
328.308

 81, 85.952,
328.308

 21, 85.952,
328.308

 91, 85.952,
328.308

 11, 85.952,
328.308

 1, 85.952, 328.308

 0, 85.952, 328.308

51, 85.952,
328.308

51, 85.952,
328.308

49, 91.612,
328.547

54, 77.945,
327.987

48, 94.820,
328.705

57, 67.975,
327.590

48, 95.938,
328.776

61, 56.535,
327.132

65, 44.125,
326.628

69, 31.176,
326.094

74, 18.022,
325.541

79, 4.904, 324.953

85, 8.017, 144.497

■ 90, 20.641,
143.951

Harmonies

Complementary

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



51, 85.952, 328.308



72, 87.961, 137.992

Rectangle

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



51, 85.952, 328.308



51, 85.952, 18.308



51, 85.952, 148.308



51, 85.952, 198.308

Sweetspot

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



51, 85.950, 328.308



87, 34.870, 326.014



33, 90.501, 302.598



44, 23.426, 326.164



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 85.950, 328.308



61, 111.987, 328.658



48, 63.851, 353.550



40, 7.470, 325.294



39, 82.843, 328.768



5, 28.733, 327.927

Inverse Universe

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



51, 85.950, 328.308



61, 111.987, 328.658



73, 61.372, 154.531



40, 7.470, 325.294



39, 82.843, 328.768



5, 28.733, 327.927

Previews

White Background



This preview shows how the CIELCh color 51, 85.952, 328.308 looks on a white background.

Color Contrast Check

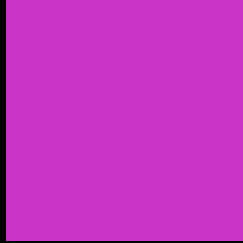
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 85.952, 328.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

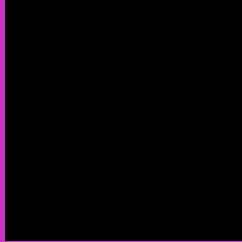
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 85.952, 328.308

Background



This preview shows how black text looks on a background with the CIELCh color 51, 85.952, 328.308.

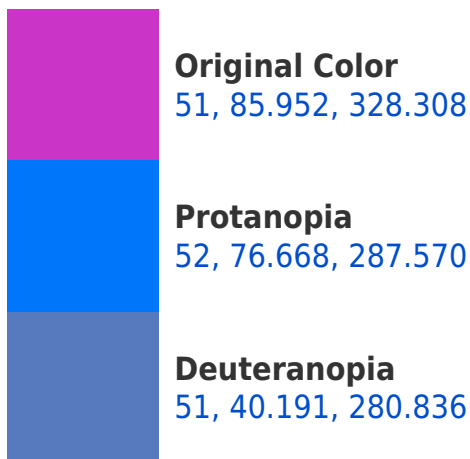


This preview shows how white text looks on a background with the CIELCh color 51, 85.952, 328.308.

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
51, 43.712, 21.299

Trichromacy



Original Color
51, 85.952, 328.308



Protanomaly
46, 81.000, 296.908



Deuteranomaly
48, 57.706, 306.452



Tritanomaly
50, 53.087, 351.518

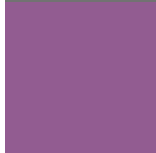
Monochromacy



Original Color
51, 85.952, 328.308



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 36.900, 326.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 85.952, 328.308 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, 53, 200)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 200)  
}
```

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, 53, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 85.952, 328.308 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, 53, 200) }
```

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

```
.border{ border-color:rgb(202, 53, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 53, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 200);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 85.952, 328.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 53, 200) }
```

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

```
.background{ background-color: rgb(202, 53,  
200) }
```

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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