

Converting Colors

CIELCh(51, 81.167, 336.672)

Have a look what the booklet for
CIELCh(51, 81.167, 336.672)
contains.

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Color

CIELCh(51, 81.216, 336.556)

Conversions

Conversions Part 1

Format	Color
Hex	D52DB2
RGB	213, 45, 178
RGB Percent	84%, 18%, 70%
CMY	0.1643, 0.8229, 0.3016
CMYK	0.00, 0.79, 0.16, 0.16
HSL	313°, 67%, 51%
HSV	313°, 79%, 84%
XYZ	36.4621, 19.2686, 43.9695
YIQ	110.3940, 57.4350, 76.9790

Conversions

Conversions Part 2

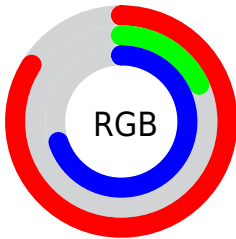
Format	Color
R_{YB}	213, 45, 178
Decimal	13970866
CIE _{Lab}	51.00, 74.51, -32.31
CIE _{LCh}	51, 81.216, 336.556
Yxy	19.2686, 0.3657, 0.1933
Android (android.graphics.Color)	4292160946 (0xFFD52DB2)
YUV	110.3940, 33.3298, 89.9855
Hunter-Lab	43.8960, 71.4523, -28.6620

Details

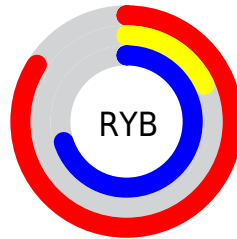
The CIELCh color **51, 81.216, 336.556** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **75, 85.648, 142.039**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 78.642, 332.224**, and **35, 68.639, 337.298** is the 20% darker color. If you saturate the color by 10%, you get **49, 84.636, 337.539**, and if you desaturate by 10%, it is **54, 75.252, 335.680**.

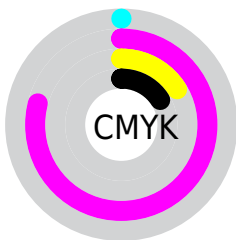
Distribution



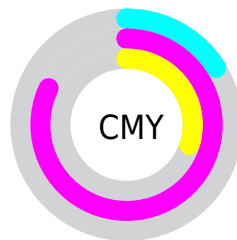
- Red (84%)
- Green (18%)
- Blue (70%)



- Red (84%)
- Yellow (18%)
- Blue (70%)



- Cyan (0%)
- Magenta (79%)
- Yellow (16%)
- Black (16%)





- Cyan (16%)
- Magenta (82%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 81.216, 336.556 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, 81.216, 336.556 by changing the saturation by 10% instead.


 51, 81.216,
336.556


 51, 81.216,
336.556


 100, 81.216,
336.556


 41, 81.216,
336.556


 71, 81.216,
336.556


 31, 81.216,
336.556

 81, 81.216,
336.556

 21, 81.216,
336.556

 91, 81.216,
336.556

 11, 81.216,
336.556

 1, 81.216, 336.556

 0, 81.216, 336.556

■ 51, 81.216,
336.556

■ 51, 81.216,
336.556

■ 49, 84.636,
337.539

■ 54, 75.252,
335.680

■ 48, 85.696,
338.660

■ 57, 67.083,
334.874

■ 48, 85.766,
338.798

■ 61, 57.218,
334.115

■ 65, 46.201,
333.388

■ 70, 34.511,
332.688

■ 75, 22.519,
332.009

■ 80, 10.493,
331.345

■ 86, 1.393, 150.989

■ 92, 13.028,
150.186

Harmonies

Complementary

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



51, 81.216, 336.556



75, 85.648, 142.039

Rectangle

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



51, 81.216, 336.556



51, 81.216, 26.556



51, 81.216, 156.556



51, 81.216, 206.556

Sweetspot

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



51, 81.213, 336.556



85, 33.269, 332.375



35, 99.065, 306.211



43, 22.850, 332.621



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, 81.213, 336.556



58, 97.929, 338.333



48, 67.252, 11.203



42, 6.789, 331.386



39, 72.913, 338.602



6, 28.268, 336.278

Inverse Universe

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



51, 81.213, 336.556



58, 97.929, 338.333



77, 54.688, 165.966



42, 6.789, 331.386



39, 72.913, 338.602



6, 28.268, 336.278

Previews

White Background



This preview shows how the CIELCh color 51, 81.216, 336.556 looks on a white background.

Color Contrast Check

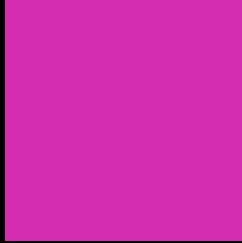
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.216, 336.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

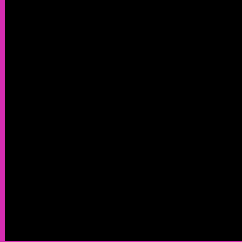
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 81.216, 336.556

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.216, 336.556.

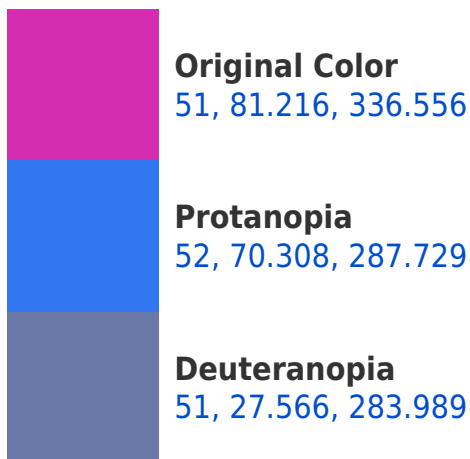


This preview shows how white text looks on a background with the CIELCh color 51, 81.216, 336.556.

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, 55.068, 24.954

Trichromacy



Original Color
51, 81.216, 336.556



Protanomaly
47, 73.424, 302.144



Deuteranomaly
48, 49.449, 316.732



Tritanomaly
50, 59.283, 1.839

Monochromacy



Original Color
51, 81.216, 336.556



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 36.287, 333.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.216, 336.556 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(213, 45, 178)` looks like.

```
.text, #text, p{  
    color:rgb(213, 45, 178)  
}
```

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(213, 45, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 45, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.216, 336.556 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(213, 45, 178) }
```

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

```
.border{ border-color:rgb(213, 45, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 45, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 45, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 45, 178);  
box-shadow:4px 4px 4px 4px rgb(213, 45,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.216, 336.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 45, 178) }
```

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

```
.background{ background-color: rgb(213, 45,  
178) }
```

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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