

Converting Colors

CIELCh(51, 90.053, 327.939)

Have a look what the booklet for
CIELCh(51, 90.053, 327.939)
contains.

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Color

CIELCh(51, 90.246, 327.958)

Conversions

Conversions Part 1

Format	Color
Hex	CD2ECD
RGB	205, 46, 205
RGB Percent	80%, 18%, 80%
CMY	0.1970, 0.8209, 0.1970
CMYK	0.00, 0.78, 0.00, 0.20
HSL	300°, 64%, 49%
HSV	300°, 78%, 80%
XYZ	37.0634, 19.2686, 59.3742
YIQ	111.6670, 43.7250, 83.1570

Conversions

Conversions Part 2

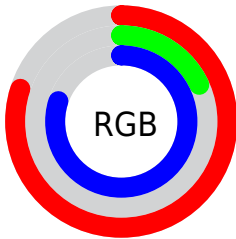
Format	Color
RYB	205, 46, 205
Decimal	13446861
CIELab	51.00, 76.50, -47.88
CIELCh	51, 90.246, 327.958
Yxy	19.2686, 0.3203, 0.1665
Android (android.graphics.Color)	4291636941 (0xFFCD2ECD)
YUV	111.6670, 46.0132, 81.8530
Hunter-Lab	43.8960, 73.8976, -49.4690

Details

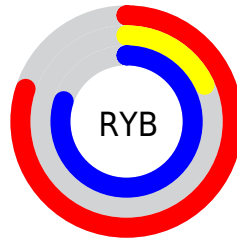
The CIELCh color **51, 90.246, 327.958** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **72, 92.409, 137.333**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 86.147, 327.332**, and **35, 77.884, 327.199** is the 20% darker color. If you saturate the color by 10%, you get **50, 95.059, 328.128**, and if you desaturate by 10%, it is **53, 82.974, 327.697**.

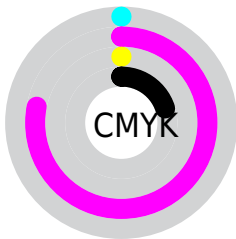
Distribution



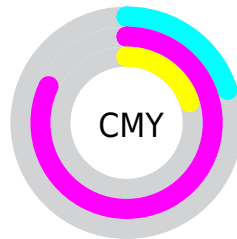
- Red (80%)
- Green (18%)
- Blue (80%)



- Red (80%)
- Yellow (18%)
- Blue (80%)



- Cyan (0%)
- Magenta (78%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (82%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 90.246, 327.958 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, 90.246, 327.958 by changing the saturation by 10% instead.


 51, 90.246,
327.958


 51, 90.246,
327.958


 100, 90.246,
327.958


 41, 90.246,
327.958


 71, 90.246,
327.958

 31, 90.246,
327.958

 81, 90.246,
327.958

 21, 90.246,
327.958

 91, 90.246,
327.958

 11, 90.246,
327.958

 1, 90.246, 327.958

 0, 90.246, 327.958

51, 90.246,
327.958

51, 90.246,
327.958

50, 95.059,
328.128

53, 82.974,
327.697

49, 97.526,
328.215

56, 73.535,
327.349

49, 97.954,
328.229

60, 62.396,
326.929

64, 50.073,
326.453

68, 37.035,
325.936

73, 23.664,
325.395

78, 10.242,
324.834

84, 3.037, 144.403

■ 89, 16.047,
143.801

Harmonies

Complementary

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



51, 90.246, 327.958



72, 92.409, 137.333

Rectangle

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



51, 90.246, 327.958



51, 90.246, 17.958



51, 90.246, 147.958



51, 90.246, 197.958

Sweetspot

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



51, 90.244, 327.958



86, 36.784, 325.700



32, 94.812, 302.981



44, 25.446, 325.897



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, 90.244, 327.958



61, 114.290, 328.192



48, 66.898, 353.333



40, 7.538, 324.932



39, 83.711, 328.230



5, 29.042, 327.494

Inverse Universe

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



46, 72.584, 33.067



54, 100.887, 38.546



73, 65.486, 152.929



40, 4.369, 19.919



34, 75.550, 39.820



4, 17.910, 19.401

Previews

White Background



This preview shows how the CIELCh color 51, 90.246, 327.958 looks on a white background.

Color Contrast Check

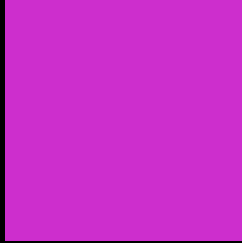
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 90.246, 327.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

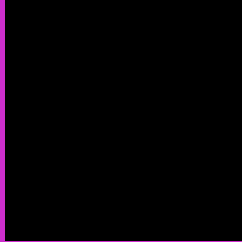
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 90.246, 327.958

Background



This preview shows how black text looks on a background with the CIELCh color 51, 90.246, 327.958.

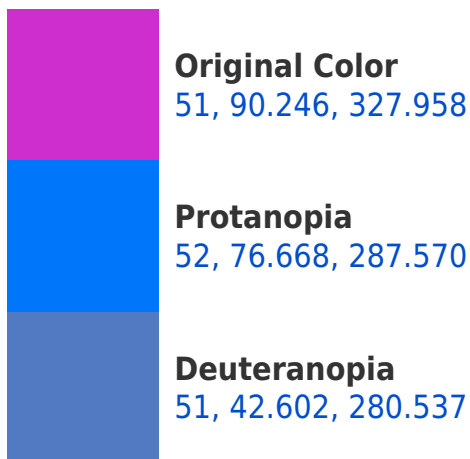


This preview shows how white text looks on a background with the CIELCh color 51, 90.246, 327.958.

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, 45.475, 21.776

Trichromacy



Original Color
51, 90.246, 327.958



Protanomaly
46, 83.326, 297.674



Deuteranomaly
48, 61.775, 306.310



Tritanomaly
50, 55.959, 351.178

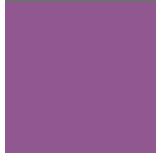
Monochromacy



Original Color
51, 90.246, 327.958



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 40.053, 326.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 90.246, 327.958 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(205, 46, 205)` looks like.

```
.text, #text, p{  
    color:rgb(205, 46, 205)  
}
```

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(205, 46, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 46, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 90.246, 327.958 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(205, 46, 205) }
```

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

```
.border{ border-color:rgb(205, 46, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 46, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 46, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 46, 205);  
box-shadow:4px 4px 4px 4px rgb(205, 46,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 90.246, 327.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 46, 205) }
```

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

```
.background{ background-color: rgb(205, 46,  
205) }
```

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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