

Converting Colors

CIELCh(51, 85.258, 329.342)

Have a look what the booklet for
CIELCh(51, 85.258, 329.342)
contains.

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Color

CIELCh(51, 85.212, 329.453)

Conversions

Conversions Part 1

Format	Color
Hex	CC34C5
RGB	204, 52, 197
RGB Percent	80%, 20%, 77%
CMY	0.2008, 0.7969, 0.2282
CMYK	0.00, 0.75, 0.03, 0.20
HSL	303°, 60%, 50%
HSV	303°, 75%, 80%
XYZ	36.1241, 19.2686, 54.5297
YIQ	113.9780, 44.0470, 77.3190

Conversions

Conversions Part 2

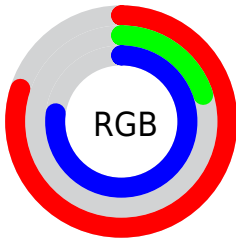
Format	Color
RYB	204, 52, 197
Decimal	13382853
CIELab	51.00, 73.39, -43.31
CIElCh	51, 85.212, 329.453
Yxy	19.2686, 0.3286, 0.1753
Android (android.graphics.Color)	4291572933 (0xFFCC34C5)
YUV	113.9780, 40.9298, 78.9493
Hunter-Lab	43.8960, 70.0781, -42.9256

Details

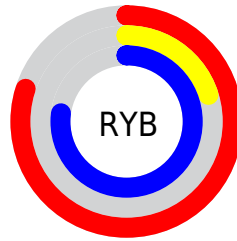
The CIELCh color **51, 85.212, 329.453** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **72, 87.775, 138.571**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 84.266, 327.496**, and **34, 75.075, 329.049** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.492, 329.772**, and if you desaturate by 10%, it is **54, 77.547, 329.071**.

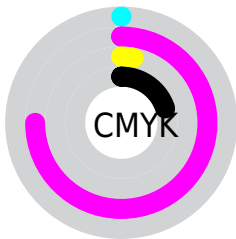
Distribution



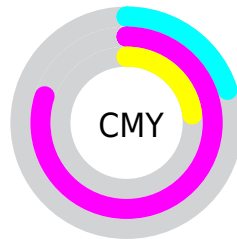
- Red (80%)
- Green (20%)
- Blue (77%)



- Red (80%)
- Yellow (20%)
- Blue (77%)



- Cyan (0%)
- Magenta (75%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 85.212, 329.453 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, 85.212, 329.453 by changing the saturation by 10% instead.


 51, 85.212,
329.453


 51, 85.212,
329.453


 100, 85.212,
329.453


 41, 85.212,
329.453


 71, 85.212,
329.453


 31, 85.212,
329.453


 81, 85.212,
329.453

 21, 85.212,
329.453

 91, 85.212,
329.453

 11, 85.212,
329.453

 1, 85.212, 329.453

 0, 85.212, 329.453

■ 51, 85.212,
329.453

■ 51, 85.212,
329.453

■ 49, 90.492,
329.772

■ 54, 77.547,
329.071

■ 48, 93.300,
330.035

■ 57, 67.878,
328.631

■ 48, 94.134,
330.162

■ 61, 56.702,
328.140

■ 65, 44.527,
327.613

■ 70, 31.791,
327.061

■ 74, 18.833,
326.495

■ 80, 5.897, 325.904

■ 85, 6.853, 145.440

■ 90, 19.316,
144.881

Harmonies

Complementary

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



51, 85.212, 329.453



72, 87.775, 138.571

Rectangle

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



51, 85.212, 329.453



51, 85.212, 19.453



51, 85.212, 149.453



51, 85.212, 199.453

Sweetspot

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



51, 85.209, 329.453



87, 34.111, 326.931



33, 91.992, 303.183



44, 22.917, 327.086



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, 85.209, 329.453



60, 109.645, 329.951



48, 63.970, 356.241



40, 7.306, 326.196



39, 80.772, 330.132



5, 27.991, 329.022

Inverse Universe

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



51, 85.209, 329.453



60, 109.645, 329.951



73, 60.362, 156.122



40, 7.306, 326.196



39, 80.772, 330.132



5, 27.991, 329.022

Previews

White Background



This preview shows how the CIELCh color 51, 85.212, 329.453 looks on a white background.

Color Contrast Check

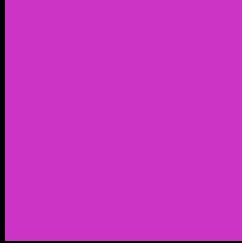
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.212, 329.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

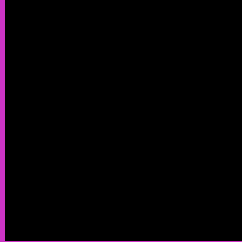
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 85.212, 329.453

Background



This preview shows how black text looks on a background with the CIELCh color 51, 85.212, 329.453.



This preview shows how white text looks on a background with the CIELCh color 51, 85.212, 329.453.

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

51, 85.212, 329.453

Protanopia

52, 76.668, 287.570

Deuteranopia

51, 38.405, 280.925



Tritanopia
51, 45.475, 21.776

Trichromacy



Original Color
51, 85.212, 329.453



Protanomaly
46, 80.434, 296.946



Deuteranomaly
48, 56.763, 307.573



Tritanomaly
50, 54.453, 353.190

Monochromacy



Original Color
51, 85.212, 329.453



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 37.292, 327.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 85.212, 329.453 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(204, 52, 197)` looks like.

```
.text, #text, p{  
    color:rgb(204, 52, 197)  
}
```

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(204, 52, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 52, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 85.212, 329.453 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(204, 52, 197) }
```

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

```
.border{ border-color:rgb(204, 52, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 52, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 52, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 52, 197);  
box-shadow:4px 4px 4px 4px rgb(204, 52,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 85.212, 329.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 52, 197) }
```

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

```
.background{ background-color: rgb(204, 52,  
197) }
```

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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