

Converting Colors

CIELCh(54, 85.011, 330.956)

Have a look what the booklet for
CIELCh(54, 85.011, 330.956)
contains.

CIELCh(54, 85.300, 330.971)	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(54, 85.300, 330.971)

Conversions

Conversions Part 1

Format	Color
Hex	D83BCA
RGB	216, 59, 202
RGB Percent	85%, 23%, 79%
CMY	0.1531, 0.7688, 0.2080
CMYK	0.00, 0.73, 0.06, 0.15
HSL	305°, 67%, 54%
HSV	305°, 73%, 85%
XYZ	40.5191, 21.9746, 57.9525
YIQ	122.2450, 47.6690, 77.7570

Conversions

Conversions Part 2

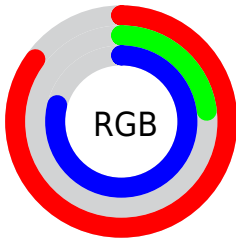
Format	Color
R _{YB}	216, 59, 202
Decimal	14171082
CIE _{Lab}	54.00, 74.58, -41.39
CIE _{LCh}	54, 85.300, 330.971
Y _{xy}	21.9746, 0.3364, 0.1824
Android (android.graphics.Color)	4292361162 (0xFFD83BCA)
YUV	122.2450, 39.3192, 82.2231
Hunter-Lab	46.8770, 72.2552, -40.4843

Details

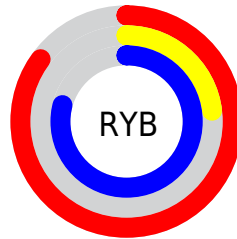
The CIELCh color **54, 85.300, 330.971** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **76, 88.125, 139.766**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 81.096, 327.172**, and **37, 76.563, 330.904** is the 20% darker color. If you saturate the color by 10%, you get **52, 90.980, 331.429**, and if you desaturate by 10%, it is **57, 77.169, 330.482**.

Distribution



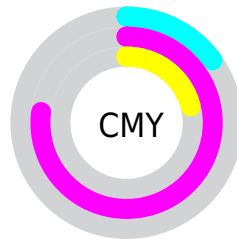
- Red (85%)
- Green (23%)
- Blue (79%)



- Red (85%)
- Yellow (23%)
- Blue (79%)



- Cyan (0%)
- Magenta (73%)
- Yellow (6%)
- Black (15%)





- Cyan (15%)
- Magenta (77%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 85.300, 330.971 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 54, 85.300, 330.971 by changing the saturation by 10% instead.


 54, 85.300,
330.971


 54, 85.300,
330.971


 100, 85.300,
330.971


 44, 85.300,
330.971


 74, 85.300,
330.971

 34, 85.300,
330.971

 84, 85.300,
330.971

 24, 85.300,
330.971

 94, 85.300,
330.971

 14, 85.300,
330.971

 4, 85.300, 330.971

 0, 85.300, 330.971

54, 85.300,
330.971

54, 85.300,
330.971

52, 90.980,
331.429

57, 77.169,
330.482

51, 94.043,
331.864

60, 67.035,
329.958

50, 94.985,
332.177

65, 55.438,
329.406

69, 42.902,
328.833

74, 29.867,
328.248

79, 16.665,
327.658

85, 3.527, 327.017

90, 9.393, 146.572

■ 96, 22.004,
146.013

Harmonies

Complementary

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



54, 85.300, 330.971



76, 88.125, 139.766

Rectangle

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



54, 85.300, 330.971



54, 85.300, 20.971



54, 85.300, 150.971



54, 85.300, 200.971

Sweetspot

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



54, 85.297, 330.971



86, 33.120, 328.219



37, 93.680, 303.587



44, 22.253, 328.380



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 85.297, 330.971



60, 105.286, 331.653



51, 64.941, 359.607



42, 7.383, 327.461



40, 79.855, 332.108



6, 30.878, 331.157

Inverse Universe

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



54, 85.297, 330.971



60, 105.286, 331.653



77, 59.054, 159.271



42, 7.383, 327.461



40, 79.855, 332.108



6, 30.878, 331.157

Previews

White Background



This preview shows how the CIELCh color 54, 85.300, 330.971 looks on a white background.

Color Contrast Check

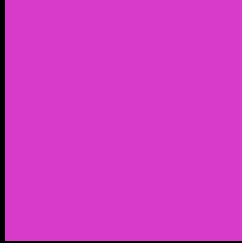
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 85.300, 330.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

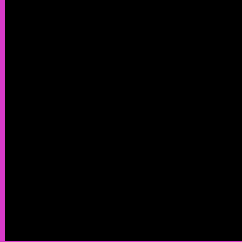
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 85.300, 330.971

Background



This preview shows how black text looks on a background with the CIELCh color 54, 85.300, 330.971.

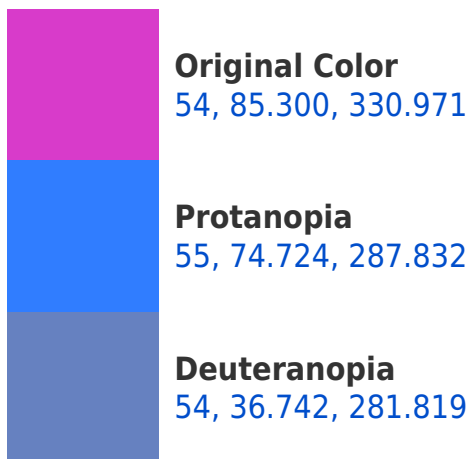


This preview shows how white text looks on a background with the CIELCh color 54, 85.300, 330.971.

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
54, 48.087, 22.156

Trichromacy



Original Color
54, 85.300, 330.971



Protanomaly
50, 78.168, 300.357



Deuteranomaly
52, 54.766, 309.072



Tritanomaly
53, 55.918, 355.157

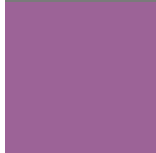
Monochromacy



Original Color
54, 85.300, 330.971



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 36.737, 328.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 85.300, 330.971 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(216, 59, 202)` looks like.

```
.text, #text, p{  
    color:rgb(216, 59, 202)  
}
```

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(216, 59, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 59, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 85.300, 330.971 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(216, 59, 202) }
```

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

```
.border{ border-color:rgb(216, 59, 202) }
```

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

Here you see how a box with a 4 pixel rgb(216, 59, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 59, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 59, 202);  
box-shadow:4px 4px 4px 4px rgb(216, 59,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 85.300, 330.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 59, 202) }
```

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

```
.background{ background-color: rgb(216, 59,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor