

Converting Colors

CIELCh(41, 83.708, 330.620)

Have a look what the booklet for
CIELCh(41, 83.708, 330.620)
contains.

CIELCh(41, 83.336, 330.634)	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(41, 83.336, 330.634)

Conversions

Conversions Part 1

Format	Color
Hex	AF00A5
RGB	175, 0, 165
RGB Percent	69%, 0%, 65%
CMY	0.3131, 0.9981, 0.3524
CMYK	0.00, 1.00, 0.06, 0.31
HSL	303°, 99%, 34%
HSV	303°, 100%, 69%
XYZ	24.5250, 11.8645, 36.6650
YIQ	71.1350, 51.3350, 88.4150

Conversions

Conversions Part 2

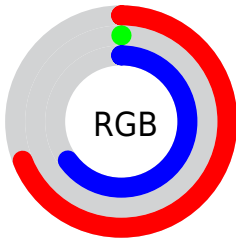
Format	Color
R _Y B	175, 0, 165
Decimal	11468965
CIE Lab	41.00, 72.63, -40.87
CIE LCh	41, 83.336, 330.634
Yxy	11.8645, 0.3357, 0.1624
Android (android.graphics.Color)	4289659045 (0xFFAF00A5)
YUV	71.1350, 46.2754, 91.0896
Hunter-Lab	34.4449, 66.8146, -38.9999

Details

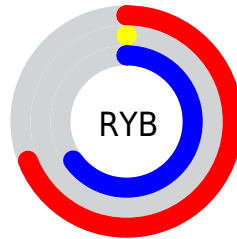
The CIELCh color **41, 83.336, 330.634** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **62, 89.234, 136.519**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 83.314, 330.478**, and **27, 62.933, 330.277** is the 20% darker color. If you saturate the color by 10%, you get **41, 83.380, 330.642**, and if you desaturate by 10%, it is **42, 81.475, 330.345**.

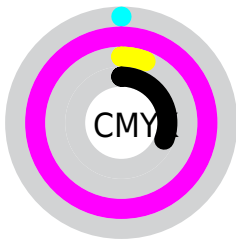
Distribution



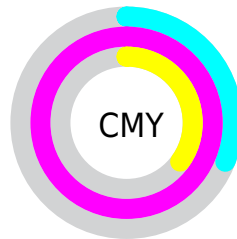
- Red (69%)
- Green (0%)
- Blue (65%)



- Red (69%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 83.336, 330.634 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 41, 83.336, 330.634 by changing the saturation by 10% instead.


 41, 83.336,
330.634


 41, 83.336,
330.634


 100, 83.336,
330.634


 31, 83.336,
330.634

 61, 83.336,
330.634


 21, 83.336,
330.634

 71, 83.336,
330.634


 11, 83.336,
330.634


 81, 83.336,
330.634

 1, 83.336, 330.634

 91, 83.336,
330.634

 0, 83.336, 330.634

 41, 83.336,

 41, 83.336,

330.634

330.634

■ 41, 83.380,
330.642

■ 42, 81.475,
330.345

■ 43, 77.804,
330.018

■ 45, 71.978,
329.639

■ 48, 64.234,
329.207

■ 51, 54.974,
328.727

■ 54, 44.647,
328.209

■ 58, 33.663,
327.664

■ 63, 22.357,
327.104

■ 67, 10.977,
326.533

Harmonies

Complementary

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



41, 83.336, 330.634



62, 89.234, 136.519

Rectangle

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



41, 83.336, 330.634



41, 83.336, 20.634



41, 83.336, 150.634



41, 83.336, 200.634

Sweetspot

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



41, 83.334, 330.634



74, 41.930, 327.708



21, 100.564, 306.418



37, 28.767, 327.935



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 83.334, 330.634



53, 101.110, 330.686



37, 63.647, 6.486



34, 6.338, 326.509



35, 74.588, 330.611



2, 13.087, 326.768

Inverse Universe

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



41, 83.334, 330.634



53, 101.110, 330.686



63, 63.474, 151.957



34, 6.338, 326.509



35, 74.588, 330.611



2, 13.087, 326.768

Previews

White Background



This preview shows how the CIELCh color 41, 83.336, 330.634 looks on a white background.

Color Contrast Check

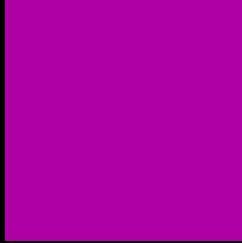
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 41, 83.336, 330.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

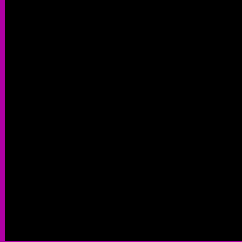
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 83.336, 330.634

Background



This preview shows how black text looks on a background with the CIELCh color 41, 83.336, 330.634.



This preview shows how white text looks on a background with the CIELCh color 41, 83.336, 330.634.

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

41, 83.336, 330.634

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 34.416, 280.268



Tritanopia
42, 45.774, 24.594

Trichromacy



Original Color
41, 83.336, 330.634



Protanomaly
34, 78.364, 301.594



Deuteranomaly
36, 59.792, 311.140



Tritanomaly
40, 55.874, 354.523

Monochromacy



Original Color
41, 83.336, 330.634



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 43.162, 329.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 83.336, 330.634 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(175, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 165)  
}
```

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(175, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 83.336, 330.634 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(175, 0, 165) }
```

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

```
.border{ border-color:rgb(175, 0, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 0, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 83.336, 330.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 165) }
```

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

```
.background{ background-color: rgb(175, 0,  
165) }
```

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