

Converting Colors

CIELCh(45, 85.697, 333.569)

Have a look what the booklet for
CIELCh(45, 85.697, 333.569)
contains.

CIELCh(45, 85.846, 333.354)	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(45, 85.846, 333.354)

Conversions

Conversions Part 1

Format	Color
Hex	C203AC
RGB	194, 3, 172
RGB Percent	76%, 1%, 67%
CMY	0.2384, 0.9893, 0.3247
CMYK	0.00, 0.99, 0.11, 0.24
HSL	307°, 97%, 39%
HSV	307°, 99%, 76%
XYZ	29.7962, 14.5417, 40.3636
YIQ	79.3750, 59.5870, 93.0510

Conversions

Conversions Part 2

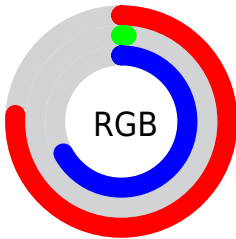
Format	Color
RYB	194, 3, 172
Decimal	12714924
CIELab	45.00, 76.73, -38.50
CIELCh	45, 85.846, 333.354
Yxy	14.5417, 0.3518, 0.1717
Android (android.graphics.Color)	4290905004 (0xFFC203AC)
YUV	79.3750, 45.6641, 100.5261
Hunter-Lab	38.1336, 72.7395, -36.0637

Details

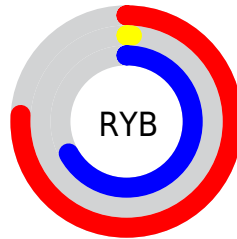
The CIELCh color **45, 85.846, 333.354** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **69, 94.685, 137.173**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 85.623, 333.265**, and **31, 65.808, 333.439** is the 20% darker color. If you saturate the color by 10%, you get **45, 86.012, 333.432**, and if you desaturate by 10%, it is **46, 84.232, 332.804**.

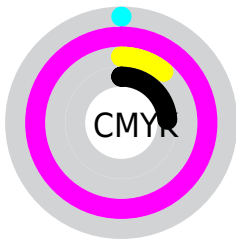
Distribution



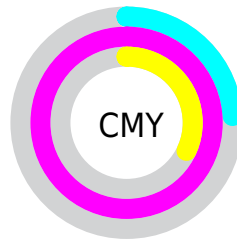
- Red (76%)
- Green (1%)
- Blue (67%)



- Red (76%)
- Yellow (1%)
- Blue (67%)



- Cyan (0%)
- Magenta (99%)
- Yellow (11%)
- Black (24%)





- Cyan (24%)
- Magenta (99%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 85.846, 333.354 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 45, 85.846, 333.354 by changing the saturation by 10% instead.


 45, 85.846,
333.354


 45, 85.846,
333.354


 100, 85.846,
333.354


 35, 85.846,
333.354

 65, 85.846,
333.354


 25, 85.846,
333.354

 75, 85.846,
333.354

 15, 85.846,
333.354

 85, 85.846,
333.354

 5, 85.846, 333.354

 95, 85.846,
333.354

 0, 85.846, 333.354

 45, 85.846,

 45, 85.846,

333.354

333.354

■ 45, 86.012,
333.432

■ 46, 84.232,
332.804

■ 47, 80.441,
332.265

■ 50, 74.299,
331.723

■ 53, 66.102,
331.165

■ 56, 56.311,
330.591

■ 60, 45.421,
330.001

■ 65, 33.877,
329.404

■ 69, 22.029,
328.804

■ 74, 10.134,
328.200

Harmonies

Complementary

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



45, 85.846, 333.354



69, 94.685, 137.173

Rectangle

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



45, 85.846, 333.354



45, 85.846, 23.354



45, 85.846, 153.354



45, 85.846, 203.354

Sweetspot

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



45, 85.843, 333.354



81, 43.949, 329.516



24, 107.749, 306.508



41, 30.153, 329.774



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 85.843, 333.354



58, 104.623, 333.525



41, 68.780, 11.197



38, 6.677, 328.248



37, 74.825, 333.350



4, 21.742, 330.578

Inverse Universe

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



45, 85.843, 333.354



58, 104.623, 333.525



69, 64.586, 154.992



38, 6.677, 328.248



37, 74.825, 333.350



4, 21.742, 330.578

Previews

White Background



This preview shows how the CIELCh color 45, 85.846, 333.354 looks on a white background.

Color Contrast Check

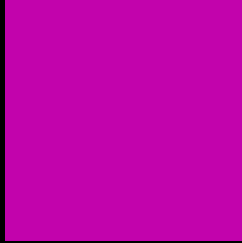
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 85.846, 333.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

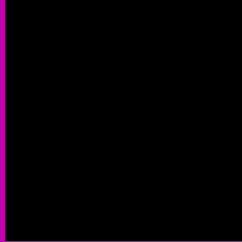
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 85.846, 333.354

Background



This preview shows how black text looks on a background with the CIELCh color 45, 85.846, 333.354.

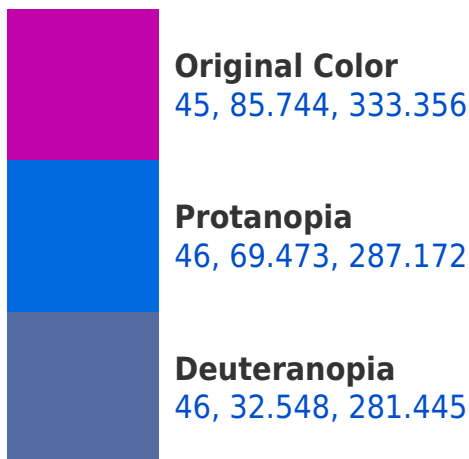


This preview shows how white text looks on a background with the CIELCh color 45, 85.846, 333.354.

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
46, 52.808, 25.890

Trichromacy



Original Color
45, 85.744, 333.356



Protanomaly
38, 82.033, 301.422



Deuteranomaly
40, 59.584, 313.817



Tritanomaly
44, 60.594, 358.398

Monochromacy



Original Color
45, 85.744, 333.356



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 44.783, 330.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 85.846, 333.354 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(194, 3, 172)` looks like.

```
.text, #text, p{  
    color:rgb(194, 3, 172)  
}
```

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(194, 3, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 3, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 85.846, 333.354 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(194, 3, 172) }
```

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

```
.border{ border-color:rgb(194, 3, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 3, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 3, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 3, 172);  
box-shadow:4px 4px 4px 4px rgb(194, 3,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 85.846, 333.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 3, 172) }
```

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

```
.background{ background-color: rgb(194, 3,  
172) }
```

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