

Converting Colors

CIELCh(45, 82.269, 327.971)

Have a look what the booklet for
CIELCh(45, 82.269, 327.971)
contains.

CIELCh(45, 82.372, 327.963)	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, 82.372, 327.963)

Conversions

Conversions Part 1

Format	Color
Hex	B527B5
RGB	181, 39, 181
RGB Percent	71%, 15%, 71%
CMY	0.2913, 0.8485, 0.2912
CMYK	0.00, 0.79, 0.00, 0.29
HSL	300°, 65%, 43%
HSV	300°, 79%, 71%
XYZ	28.0166, 14.5417, 44.9029
YIQ	97.6460, 39.0500, 74.2660

Conversions

Conversions Part 2

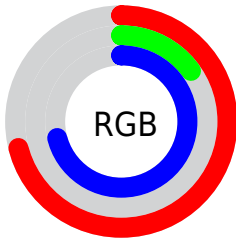
Format	Color
R_{YB}	181, 39, 181
Decimal	11872181
CIE _{Lab}	45.00, 69.83, -43.70
CIE _{LCh}	45, 82.372, 327.963
Yxy	14.5417, 0.3203, 0.1663
Android (android.graphics.Color)	4290062261 (0xFFB527B5)
YUV	97.6460, 41.0935, 73.1015
Hunter-Lab	38.1336, 64.4093, -43.1214

Details

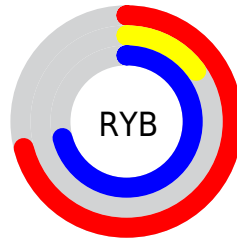
The CIELCh color **45, 82.372, 327.963** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **65, 84.364, 137.308**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 82.089, 328.025**, and **29, 69.005, 327.330** is the 20% darker color. If you saturate the color by 10%, you get **44, 86.669, 328.130**, and if you desaturate by 10%, it is **47, 75.868, 327.707**.

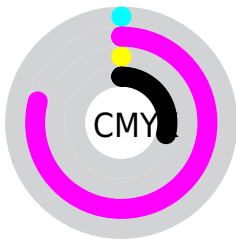
Distribution



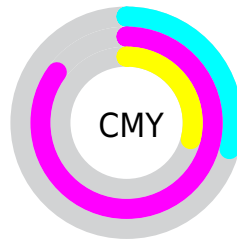
- Red (71%)
- Green (15%)
- Blue (71%)



- Red (71%)
- Yellow (15%)
- Blue (71%)



- Cyan (0%)
- Magenta (79%)
- Yellow (0%)
- Black (29%)



- Cyan (29%)
- Magenta (85%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 82.372, 327.963 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, 82.372, 327.963 by changing the saturation by 10% instead.


 45, 82.372,
327.963


 45, 82.372,
327.963


 100, 82.372,
327.963


 35, 82.372,
327.963

 65, 82.372,
327.963


 25, 82.372,
327.963

 75, 82.372,
327.963

 15, 82.372,
327.963

 85, 82.372,
327.963

 5, 82.372, 327.963

 95, 82.372,
327.963

 0, 82.372, 327.963

 45, 82.372,

 45, 82.372,

327.963

■ 44, 86.669,
328.130

■ 43, 88.976,
328.218

■ 43, 89.248,
328.229

327.963

■ 47, 75.868,
327.707

■ 50, 67.410,
327.365

■ 53, 57.410,
326.952

■ 57, 46.324,
326.482

■ 61, 34.576,
325.972

■ 65, 22.508,
325.437

■ 70, 10.379,
324.883

■ 74, 1.635, 144.513

■ 79, 13.415,
143.856

Harmonies

Complementary

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



45, 82.372, 327.963



65, 84.364, 137.308

Rectangle

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



45, 82.372, 327.963



45, 82.372, 17.963



45, 82.372, 147.963



45, 82.372, 197.963

Sweetspot

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



45, 82.370, 327.963



79, 35.872, 325.748



28, 86.671, 303.036



40, 24.607, 325.935



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 82.370, 327.963



56, 107.430, 328.195



42, 61.061, 353.402



35, 6.750, 324.922



36, 78.927, 328.229



3, 16.261, 324.435

Inverse Universe

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



40, 66.360, 33.161



49, 95.059, 38.687



65, 59.814, 152.876



35, 3.911, 19.904



31, 70.927, 39.522



2, 9.156, 19.398

Previews

White Background



This preview shows how the CIELCh color 45, 82.372, 327.963 looks on a white background.

Color Contrast Check

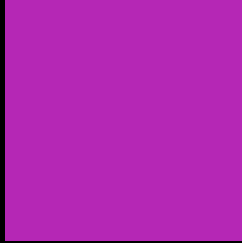
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.372, 327.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

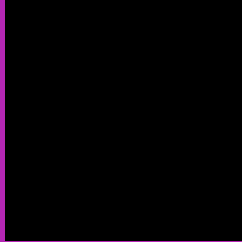
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 82.372, 327.963

Background



This preview shows how black text looks on a background with the CIELCh color 45, 82.372, 327.963.



This preview shows how white text looks on a background with the CIELCh color 45, 82.372, 327.963.

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

45, 82.372, 327.963

Protanopia

46, 68.996, 287.168

Deuteranopia

45, 38.786, 280.379



Tritanopia
45, 41.205, 21.959

Trichromacy



Original Color
45, 82.372, 327.963



Protanomaly
40, 75.691, 297.922



Deuteranomaly
42, 56.525, 306.167



Tritanomaly
44, 50.847, 351.125

Monochromacy



Original Color
45, 82.372, 327.963



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 36.089, 326.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 82.372, 327.963 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(181, 39, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 39, 181)  
}
```

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(181, 39, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 39, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 82.372, 327.963 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(181, 39, 181) }
```

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

```
.border{ border-color:rgb(181, 39, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 39, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 39, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 39, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 39,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 82.372, 327.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 39, 181) }
```

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

```
.background{ background-color: rgb(181, 39,  
181) }
```

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