

Converting Colors

CIELCh(52, 80.972, 322.117)

Have a look what the booklet for
CIELCh(52, 80.972, 322.117)
contains.

CIELCh(52, 80.880, 322.264)	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(52, 80.880, 322.264)

Conversions

Conversions Part 1

Format	Color
Hex	BB4AD2
RGB	187, 74, 210
RGB Percent	73%, 29%, 82%
CMY	0.2663, 0.7094, 0.1761
CMYK	0.11, 0.65, 0.00, 0.18
HSL	290°, 60%, 56%
HSV	290°, 65%, 82%
XYZ	34.6159, 20.1443, 63.0963
YIQ	123.2910, 23.6920, 66.2520

Conversions

Conversions Part 2

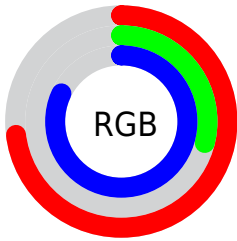
Format	Color
RYB	187, 74, 210
Decimal	12274386
CIELab	52.00, 63.96, -49.50
CIELCh	52, 80.880, 322.264
Yxy	20.1443, 0.2937, 0.1709
Android (android.graphics.Color)	4290464466 (0xFFBB4AD2)
YUV	123.2910, 42.7475, 55.8728
Hunter-Lab	44.8824, 59.1252, -51.9330

Details

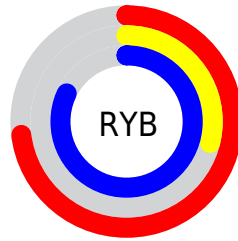
The CIELCh color **52, 80.880, 322.264** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **76, 79.884, 135.632**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 75.334, 324.844**, and **32, 80.749, 322.164** is the 20% darker color. If you saturate the color by 10%, you get **49, 89.759, 322.356**, and if you desaturate by 10%, it is **56, 70.146, 322.029**.

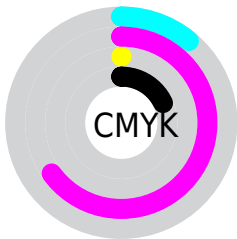
Distribution



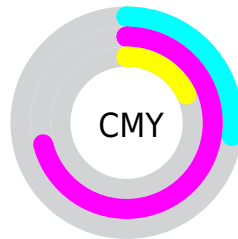
- Red (73%)
- Green (29%)
- Blue (82%)



- Red (73%)
- Yellow (29%)
- Blue (82%)



- Cyan (11%)
- Magenta (65%)
- Yellow (0%)
- Black (18%)





- Cyan (27%)
- Magenta (71%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 80.880, 322.264 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 52, 80.880, 322.264 by changing the saturation by 10% instead.


 52, 80.880,
322.264


 52, 80.880,
322.264


 100, 80.880,
322.264


 42, 80.880,
322.264


 72, 80.880,
322.264

 32, 80.880,
322.264

 82, 80.880,
322.264

 22, 80.880,
322.264

 92, 80.880,
322.264

 12, 80.880,
322.264

 2, 80.880, 322.264

 0, 80.880, 322.264

52, 80.880,
322.264

52, 80.880,
322.264

49, 89.759,
322.356

56, 70.146,
322.029

46, 96.252,
322.267

60, 58.147,
321.692

44, 100.072,
321.967

65, 45.398,
321.288

44, 101.343,
321.752


71, 32.300,
320.845

76, 19.137,
320.384

82, 6.098, 319.904

87, 6.696, 139.531

93, 19.179,
139.086

 97, 26.378,
137.953

Harmonies

Complementary

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



52, 80.880, 322.264



76, 79.884, 135.632

Rectangle

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



52, 80.880, 322.264



52, 80.880, 12.264



52, 80.880, 142.264



52, 80.880, 192.264

Sweetspot

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



52, 80.878, 322.264



88, 28.966, 320.592



46, 65.643, 293.436



45, 19.964, 320.725



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 80.878, 322.264



58, 107.353, 322.343



53, 66.532, 340.562



41, 7.312, 320.134



35, 85.890, 321.846



4, 29.620, 321.405

Inverse Universe

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



51, 57.472, 16.536



57, 79.682, 21.851



75, 66.957, 148.039



41, 4.564, 6.427



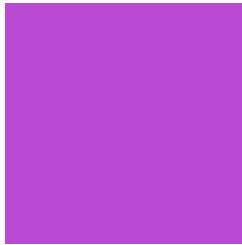
35, 69.222, 31.283



4, 20.152, 11.622

Previews

White Background



This preview shows how the CIELCh color 52, 80.880, 322.264 looks on a white background.

Color Contrast Check

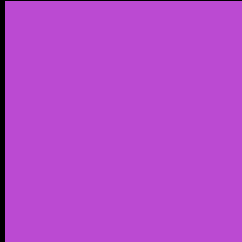
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 80.880, 322.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

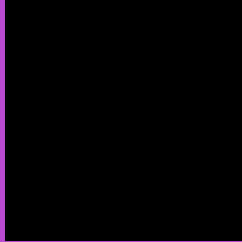
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 80.880, 322.264

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.880, 322.264.

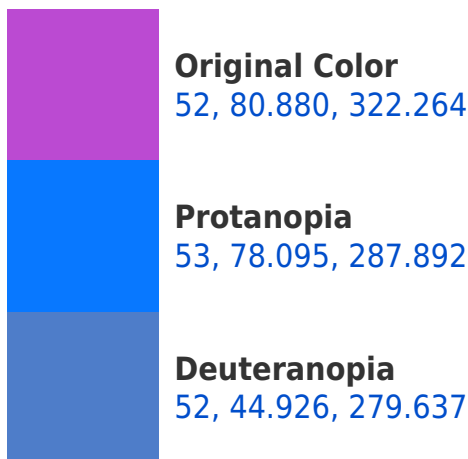


This preview shows how white text looks on a background with the CIELCh color 52, 80.880, 322.264.

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
52, 30.004, 14.670

Trichromacy



Original Color
52, 80.880, 322.264



Protanomaly
49, 79.173, 295.043



Deuteranomaly
50, 57.313, 300.314



Tritanomaly
51, 44.350, 340.877

Monochromacy



Original Color
52, 80.880, 322.264



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 32.842, 320.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.880, 322.264 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(187, 74, 210)` looks like.

```
.text, #text, p{  
    color:rgb(187, 74, 210)  
}
```

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(187, 74, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 74, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.880, 322.264 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(187, 74, 210) }
```

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

```
.border{ border-color:rgb(187, 74, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 74, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 74, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 74, 210);  
box-shadow:4px 4px 4px 4px rgb(187, 74,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.880, 322.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 74, 210) }
```

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

```
.background{ background-color: rgb(187, 74,  
210) }
```

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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