

Converting Colors

CIELCh(52, 57.839, 327.679)

Have a look what the booklet for
CIELCh(52, 57.839, 327.679)
contains.

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Color

CIELCh(52, 57.813, 327.667)

Conversions

Conversions Part 1

Format	Color
Hex	B45AB2
RGB	180, 90, 178
RGB Percent	71%, 35%, 70%
CMY	0.2952, 0.6480, 0.3030
CMYK	0.00, 0.50, 0.01, 0.30
HSL	301°, 37%, 53%
HSV	301°, 50%, 70%
XYZ	30.4037, 20.1443, 44.2671
YIQ	126.9420, 25.3920, 46.4480

Conversions

Conversions Part 2

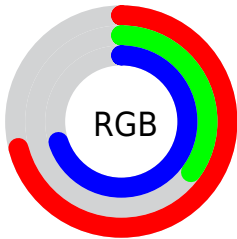
Format	Color
R_{YB}	180, 90, 178
Decimal	11819698
CIE _{Lab}	52.00, 48.85, -30.92
CIE _{LCh}	52, 57.813, 327.667
Yxy	20.1443, 0.3207, 0.2125
Android (android.graphics.Color)	4290009778 (0xFFB45AB2)
YUV	126.9420, 25.1716, 46.5319
Hunter-Lab	44.8824, 42.3731, -27.0594

Details

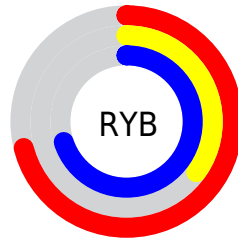
The CIELCh color **52, 57.813, 327.667** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66, 58.141, 140.964**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 58.083, 327.801**, and **32, 57.696, 327.697** is the 20% darker color. If you saturate the color by 10%, you get **49, 67.432, 328.098**, and if you desaturate by 10%, it is **56, 47.058, 327.184**.

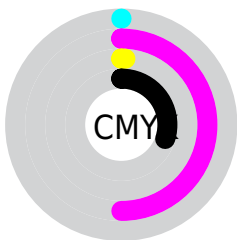
Distribution



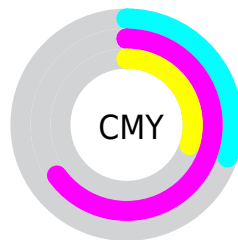
- Red (71%)
- Green (35%)
- Blue (70%)



- Red (71%)
- Yellow (35%)
- Blue (70%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (30%)





- Cyan (30%)
- Magenta (65%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 57.813, 327.667 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, 57.813, 327.667 by changing the saturation by 10% instead.


 52, 57.813,
327.667


 52, 57.813,
327.667


 100, 57.813,
327.667


 42, 57.813,
327.667


 72, 57.813,
327.667

 32, 57.813,
327.667

 82, 57.813,
327.667

 22, 57.813,
327.667

 92, 57.813,
327.667

 12, 57.813,
327.667

 2, 57.813, 327.667

 0, 57.813, 327.667

52, 57.813,
327.667

52, 57.813,
327.667

49, 67.432,
328.098

56, 47.058,
327.184

46, 75.465,
328.465

60, 35.600,
326.665

44, 81.510,
328.757

64, 23.789,
326.122

43, 85.346,
328.973

69, 11.888,
325.565

42, 87.356,
329.129

73, 0.082, 322.076

78, 11.508,
144.527

83, 22.811,
144.000

88, 33.785,
143.502

■ 93, 44.418,
143.030

Harmonies

Complementary

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



52, 57.813, 327.667



66, 58.141, 140.964

Rectangle

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



52, 57.813, 327.667



52, 57.813, 17.667



52, 57.813, 147.667



52, 57.813, 197.667

Sweetspot

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



52, 57.811, 327.667



84, 22.058, 325.856



42, 54.056, 297.797



43, 15.047, 325.972



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 57.811, 327.667



63, 83.364, 328.137



50, 42.256, 349.985



35, 6.650, 325.522



36, 77.590, 329.118



3, 15.890, 325.356

Inverse Universe

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



52, 57.811, 327.667



63, 83.364, 328.137



67, 39.809, 159.314



35, 6.650, 325.522



36, 77.590, 329.118



3, 15.890, 325.356

Previews

White Background



This preview shows how the CIELCh color 52, 57.813, 327.667 looks on a white background.

Color Contrast Check

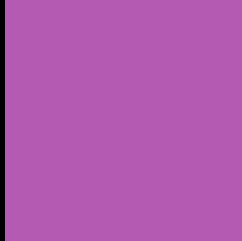
Large Text (above 18pt) WCAG AA ✓ Pass

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, 57.813, 327.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

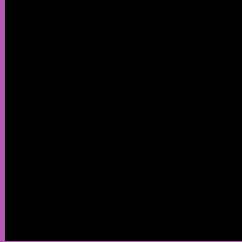
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 57.813, 327.667

Background



This preview shows how black text looks on a background with the CIELCh color 52, 57.813, 327.667.

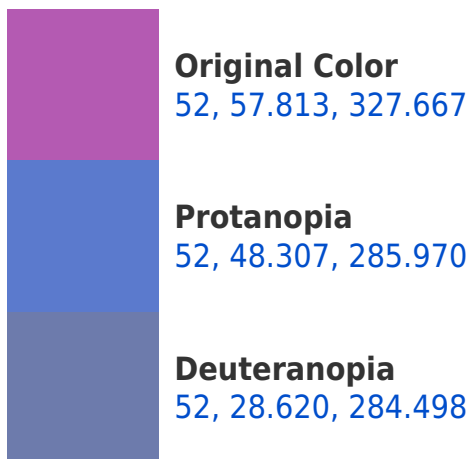


This preview shows how white text looks on a background with the CIELCh color 52, 57.813, 327.667.

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, 28.689, 14.055

Trichromacy



Original Color
52, 57.813, 327.667

Protanomaly
51, 49.735, 300.544

Deuteranomaly
51, 37.722, 306.957

Tritanomaly
52, 36.440, 348.009

Monochromacy



Original Color
52, 57.813, 327.667

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 22.500, 326.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 57.813, 327.667 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(180, 90, 178)` looks like.

```
.text, #text, p{  
    color:rgb(180, 90, 178)  
}
```

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(180, 90, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 90, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 57.813, 327.667 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(180, 90, 178) }
```

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

```
.border{ border-color:rgb(180, 90, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 90, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 90, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 90, 178);  
box-shadow:4px 4px 4px 4px rgb(180, 90,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 57.813, 327.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 90, 178) }
```

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

```
.background{ background-color: rgb(180, 90,  
178) }
```

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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