

Converting Colors

CIELCh(52, 61.597, 331.811)

Have a look what the booklet for
CIELCh(52, 61.597, 331.811)
contains.

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Color

CIELCh(52, 61.687, 331.637)

Conversions

Conversions Part 1

Format	Color
Hex	BD53AF
RGB	189, 83, 175
RGB Percent	74%, 33%, 69%
CMY	0.2583, 0.6740, 0.3132
CMYK	0.00, 0.56, 0.07, 0.26
HSL	308°, 45%, 53%
HSV	308°, 56%, 74%
XYZ	31.8759, 20.1443, 42.8345
YIQ	125.1820, 33.6440, 51.0840

Conversions

Conversions Part 2

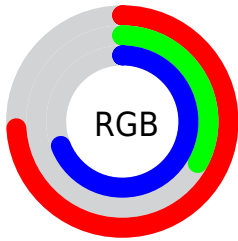
Format	Color
R _Y B	189, 83, 175
Decimal	12407727
CIE Lab	52.00, 54.28, -29.30
CIE LCh	52, 61.687, 331.637
Yxy	20.1443, 0.3360, 0.2124
Android (android.graphics.Color)	4290597807 (0xFFBD53AF)
YUV	125.1820, 24.5603, 55.9684
Hunter-Lab	44.8824, 48.2281, -25.1669

Details

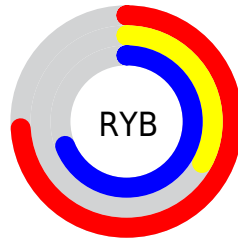
The CIELCh color **52, 61.687, 331.637** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **69, 62.317, 143.235**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 61.853, 331.456**, and **32, 61.511, 331.736** is the 20% darker color. If you saturate the color by 10%, you get **49, 70.070, 332.235**, and if you desaturate by 10%, it is **56, 51.882, 331.032**.

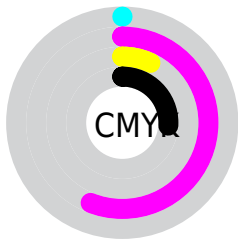
Distribution



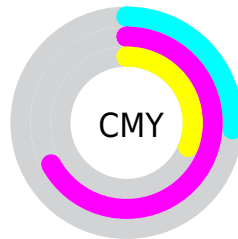
- Red (74%)
- Green (33%)
- Blue (69%)



- Red (74%)
- Yellow (33%)
- Blue (69%)



- Cyan (0%)
- Magenta (56%)
- Yellow (7%)
- Black (26%)





- Cyan (26%)
- Magenta (67%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 61.687, 331.637 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, 61.687, 331.637 by changing the saturation by 10% instead.


 52, 61.687,
331.637


 52, 61.687,
331.637


 100, 61.687,
331.637


 42, 61.687,
331.637


 72, 61.687,
331.637

 32, 61.687,
331.637

 82, 61.687,
331.637

 22, 61.687,
331.637

 92, 61.687,
331.637

 12, 61.687,
331.637

 2, 61.687, 331.637

 0, 61.687, 331.637

52, 61.687,
331.637

52, 61.687,
331.637

49, 70.070,
332.235

56, 51.882,
331.032

47, 76.565,
332.828

60, 41.138,
330.421

45, 80.820,
333.430

64, 29.862,
329.809

44, 82.774,
334.060

69, 18.368,
329.199


44, 83.227,
334.314

74, 6.882, 328.581

79, 4.448, 148.108

84, 15.530,
147.508

89, 26.314,
146.970

 94, 36.775,
146.461

Harmonies

Complementary

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



52, 61.687, 331.637



69, 62.317, 143.235

Rectangle

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



52, 61.687, 331.637



52, 61.687, 21.637



52, 61.687, 151.637



52, 61.687, 201.637

Sweetspot

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



52, 61.685, 331.637



86, 24.009, 329.273



42, 63.711, 301.356



45, 16.062, 329.395



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 61.685, 331.637



62, 86.843, 332.355



50, 46.859, 357.811



37, 6.453, 328.790



36, 72.988, 334.220



3, 18.856, 330.734

Inverse Universe

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



52, 61.685, 331.637



62, 86.843, 332.355



70, 41.921, 164.171



37, 6.453, 328.790



36, 72.988, 334.220



3, 18.856, 330.734

Previews

White Background



This preview shows how the CIELCh color 52, 61.687, 331.637 looks on a white background.

Color Contrast Check

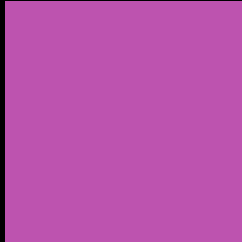
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.687, 331.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

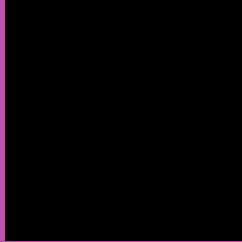
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 61.687, 331.637

Background



This preview shows how black text looks on a background with the CIELCh color 52, 61.687, 331.637.

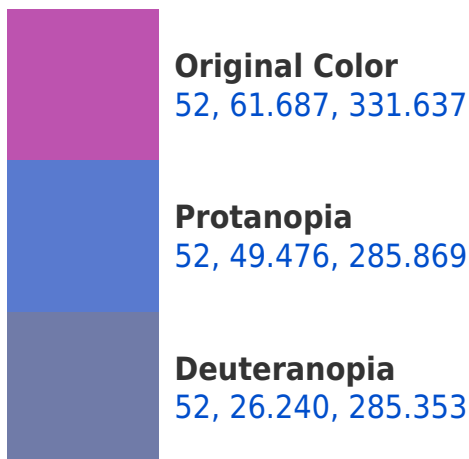


This preview shows how white text looks on a background with the CIELCh color 52, 61.687, 331.637.

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, 35.349, 17.774

Trichromacy



Original Color
52, 61.687, 331.637



Protanomaly
51, 51.059, 301.929



Deuteranomaly
51, 37.780, 310.839

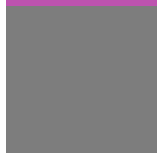


Tritanomaly
52, 41.269, 354.132

Monochromacy



Original Color
52, 61.687, 331.637



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 24.114, 329.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 61.687, 331.637 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(189, 83, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 83, 175)  
}
```

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(189, 83, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 83, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 61.687, 331.637 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(189, 83, 175) }
```

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

```
.border{ border-color:rgb(189, 83, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 83, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 83, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 83, 175); box-shadow:4px 4px 4px 4px rgb(189, 83, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 61.687, 331.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 83, 175) }
```

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

```
.background{ background-color: rgb(189, 83,  
175) }
```

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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