

Converting Colors

CIELCh(52, 52.643, 341.744)

Have a look what the booklet for
CIELCh(52, 52.643, 341.744)
contains.

CIELCh(52, 52.643, 341.744)	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, 52.643, 341.744)

Conversions

Conversions Part 1

Format	Color
Hex	BF5699
RGB	191, 86, 153
RGB Percent	75%, 34%, 60%
CMY	0.2496, 0.6614, 0.3987
CMYK	0.00, 0.55, 0.20, 0.25
HSL	322°, 45%, 54%
HSV	322°, 55%, 75%
XYZ	30.7099, 20.1443, 32.5522
YIQ	125.0330, 41.0730, 43.0970

Conversions

Conversions Part 2

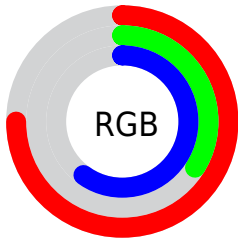
Format	Color
R_{YB}	191, 86, 153
Decimal	12539545
CIE _{Lab}	52.00, 49.99, -16.49
CIE _{LCh}	52, 52.643, 341.744
Yxy	20.1443, 0.3682, 0.2415
Android (android.graphics.Color)	4290729625 (0xFFBF5699)
YUV	125.0330, 13.7877, 57.8531
Hunter-Lab	44.8824, 43.5907, -11.5840

Details

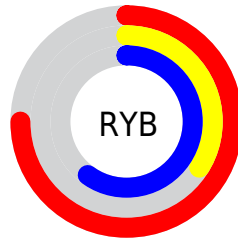
The CIELCh color **52, 52.643, 341.744** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **70, 51.844, 151.379**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 52.517, 342.104**, and **32, 52.858, 341.770** is the 20% darker color. If you saturate the color by 10%, you get **49, 60.190, 343.001**, and if you desaturate by 10%, it is **56, 43.895, 340.653**.

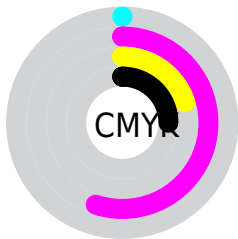
Distribution



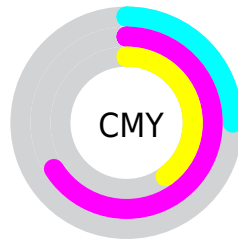
- Red (75%)
- Green (34%)
- Blue (60%)



- Red (75%)
- Yellow (34%)
- Blue (60%)



- Cyan (0%)
- Magenta (55%)
- Yellow (20%)
- Black (25%)





- Cyan (25%)
- Magenta (66%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 52.643, 341.744 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, 52.643, 341.744 by changing the saturation by 10% instead.


 52, 52.643,
341.744


 52, 52.643,
341.744


 100, 52.643,
341.744

 42, 52.643,
341.744


 72, 52.643,
341.744

 32, 52.643,
341.744

 82, 52.643,
341.744

 22, 52.643,
341.744

 92, 52.643,
341.744

 12, 52.643,
341.744

 2, 52.643, 341.744

 0, 52.643, 341.744

52, 52.643,
341.744

52, 52.643,
341.744

49, 60.190,
343.001

56, 43.895,
340.653

46, 66.055,
344.487

60, 34.413,
339.681

44, 69.836,
346.292

65, 24.564,
338.798

43, 71.394,
348.521

70, 14.618,
337.981


42, 71.696,
349.786

75, 4.755, 337.185

80, 4.914, 156.633

85, 14.327,
155.938

91, 23.454,
155.321

 95, 30.183,
155.732

Harmonies

Complementary

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



52, 52.643, 341.744



70, 51.844, 151.379

Rectangle

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



52, 52.643, 341.744



52, 52.643, 31.744



52, 52.643, 161.744



52, 52.643, 211.744

Sweetspot

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



52, 52.640, 341.745



88, 19.541, 338.091



45, 62.954, 307.432



46, 13.208, 338.257



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



52, 52.640, 341.745



62, 75.329, 343.304



50, 45.192, 15.098



38, 5.602, 337.549



35, 63.139, 349.405



3, 17.351, 343.958

Inverse Universe

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



52, 52.640, 341.745



62, 75.329, 343.304



71, 34.193, 182.103



38, 5.602, 337.549



35, 63.139, 349.405



3, 17.351, 343.958

Previews

White Background



This preview shows how the CIELCh color 52, 52.643, 341.744 looks on a white background.

Color Contrast Check

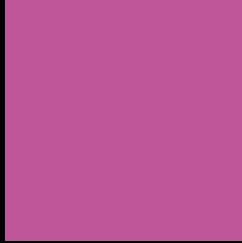
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 52.643, 341.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

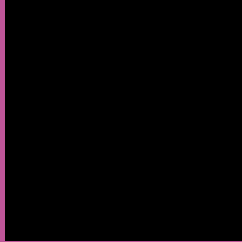
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 52.643, 341.744

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.643, 341.744.



This preview shows how white text looks on a background with the CIELCh color 52, 52.643, 341.744.

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

52, 52.643, 341.744

Protanopia

52, 33.248, 284.986

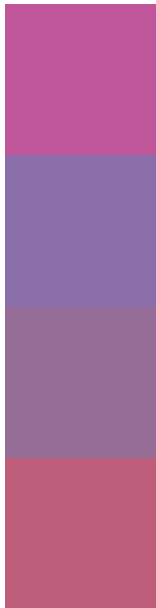
Deuteranopia

52, 15.173, 296.229



Tritanopia
52, 38.925, 18.979

Trichromacy



Original Color
52, 52.643, 341.744

Protanomaly
51, 36.324, 309.152

Deuteranomaly
51, 28.187, 325.193

Tritanomaly
52, 41.708, 2.618

Monochromacy



Original Color
52, 52.643, 341.744

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 20.445, 339.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.643, 341.744 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(191, 86, 153)` looks like.

```
.text, #text, p{  
    color:rgb(191, 86, 153)  
}
```

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(191, 86, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 86, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.643, 341.744 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(191, 86, 153) }
```

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

```
.border{ border-color:rgb(191, 86, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 86, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 86, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 86, 153); box-shadow:4px 4px 4px 4px rgb(191, 86, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.643, 341.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 86, 153) }
```

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

```
.background{ background-color: rgb(191, 86,  
153) }
```

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