

# Converting Colors

XYZ(43.0601, 33.4258, 52.2789)

Have a look what the booklet for  
XYZ(43.0601, 33.4258, 52.2789)  
contains.

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# Color

**XYZ(43.1687, 33.4420,  
52.3238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF84BD
RGB	207, 132, 189
RGB Percent	81%, 52%, 74%
CMY	0.1882, 0.4823, 0.2588
CMYK	0.00, 0.36, 0.09, 0.19
HSL	314°, 44%, 66%
HSV	314°, 36%, 81%
XYZ	43.1687, 33.4420, 52.3238
YIQ	160.9230, 26.4030, 33.6270

# Conversions

## Conversions Part 2

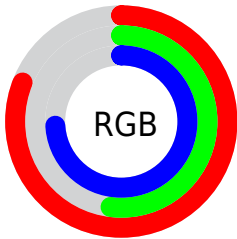
Format	Color
R <sub>Y</sub> B	207, 132, 189
Decimal	13599933
CIE Lab	64.52, 37.28, -17.83
CIE LCh	65, 41.326, 334.438
Yxy	33.4420, 0.3348, 0.2594
Android (android.graphics.Color)	4291790013 (0xFFCF84BD)
YUV	160.9230, 13.8420, 40.4095
Hunter-Lab	57.8291, 32.0473, -13.1653

# Details

The XYZ color **43.1687, 33.4420, 52.3238** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.3350, 51.7343, 36.8743**, and the grayscale version is **33.7706, 35.5293, 38.6914**.

A 20% lighter version of the original color is **75.2803, 62.9704, 94.5730**, and **20.1489, 14.2417, 24.9795** is the 20% darker color. If you saturate the color by 10%, you get **40.1053, 28.1631, 48.6874**, and if you desaturate by 10%, it is **46.8096, 39.8452, 56.2445**.

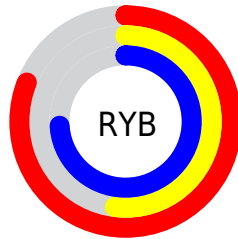
# Distribution



Red (81%)

Green (52%)

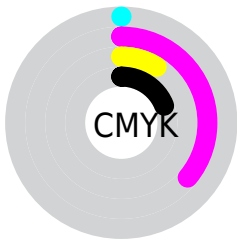
Blue (74%)



Red (81%)

Yellow (52%)

Blue (74%)

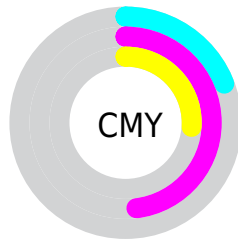


Cyan (0%)

Magenta (36%)

Yellow (9%)

Black (19%)



Cyan (19%)

Magenta (48%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1687, 33.4420, 52.3238 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 XYZ color 43.1687, 33.4420, 52.3238 by changing the saturation by 10% instead.





 43.1687, 33.4420,  
52.3238

 43.1687, 33.4420,  
52.3238

350.2149,  
317.6367, 412.6779


 30.2126, 22.4653,  
36.8792


 79.2195, 65.0650,  
95.0400

 20.1489, 14.1992,  
24.8189

 103.0449, 86.4800,  
123.1488

 12.6122, 8.2593,  
15.7244


 131.2241,  
112.1433, 156.3160

 7.2372, 4.2613,  
9.1771

164.1225,  
142.4392, 194.9602

 3.6585, 1.8208,  
4.7585

202.1054,  
177.7521, 239.4999

 1.5108, 0.5001,  
2.0500

245.5382,

 0.3332, 0.0000,

218.4663, 290.3538

0.5858

294.7862,  
264.9664, 347.9402

■ 0.0000, 0.0000,  
0.0000

■ 43.1687, 33.4420,  
52.3238

■ 43.1687, 33.4420,  
52.3238

■ 40.1053, 28.1631,  
48.6874

■ 46.8096, 39.8452,  
56.2445

■ 37.5830, 23.9375,  
45.3213

■ 51.0553, 47.4289,  
60.4586

■ 35.5659, 20.6936,  
42.2130


■ 55.9354, 56.2510,  
64.9770

■ 34.0127, 18.3487,  
39.3478


■ 61.4763, 66.3645,  
69.8095


■ 32.8750, 16.8063,  
36.7085


■ 67.7031, 77.8190,  
74.9652


 32.0917, 15.9448,  
34.2739

 74.2537, 89.8901,  
80.3244

 31.8454, 15.7107,  
33.3946

 74.9171, 90.1554,  
83.8174

 75.6001, 90.4286,  
87.4141

 76.3029, 90.7098,  
91.1153

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6490, 33.4420, 70.3561



43.1687, 33.4420, 52.3238



44.5035, 33.4420, 33.9538

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.1687, 33.4420, 52.3238



30.9151, 33.4420, 12.6617



23.3105, 33.4420, 58.0724

# Complementary

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



43.1687, 33.4420, 52.3238



37.3350, 51.7343, 36.8743

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.7557, 33.4420, 38.9874



43.1687, 33.4420, 52.3238



25.7870, 33.4420, 15.6387

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.1687, 33.4420, 52.3238



36.9411, 33.4420, 14.2496



22.6032, 33.4420, 24.1062



27.1336, 33.4420, 74.3323



# Rectangle

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



43.1687, 33.4420, 52.3238



43.2843, 33.4420, 24.5481



22.6032, 33.4420, 24.1062



22.5283, 33.4420, 51.5910

# Sweetspot

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



43.1697, 33.4435, 52.3245



85.6802, 82.9648, 100.5227



32.0011, 27.4459, 62.6432



18.1112, 17.3462, 21.3042



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



43.1697, 33.4435, 52.3245



65.5175, 47.2573, 79.5647



39.6521, 32.0365, 33.8011



12.1844, 11.9585, 14.2470



20.1024, 9.9138, 21.2434



1.1539, 0.5663, 1.3453



# Inverse Universe

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



43.1697, 33.4435, 52.3245



65.5175, 47.2573, 79.5647



40.7994, 53.1200, 55.1177



12.1844, 11.9585, 14.2470



20.1024, 9.9138, 21.2434

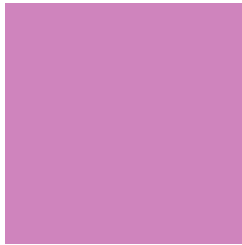


1.1539, 0.5663, 1.3453



# Previews

## White Background



This preview shows how the XYZ color 43.1687, 33.4420, 52.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

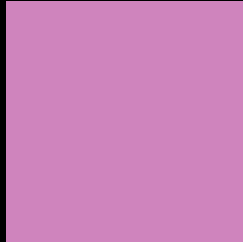
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1687, 33.4420, 52.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

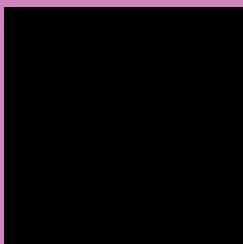
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.1687, 33.4420, 52.3238**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1687, 33.4420, 52.3238.



This preview shows how white text looks on a background with the XYZ color 43.1687, 33.4420,



# 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

43.1687, 33.4420, 52.3238

### Protanopia

34.0685, 33.6901, 62.4648

### Deuteranopia

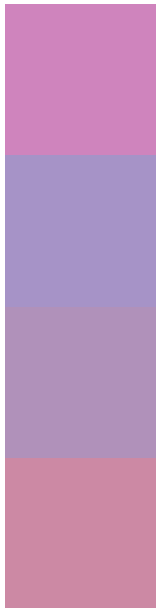
34.2487, 33.5543, 50.5705



## Tritanopia

39.2402, 33.5147, 33.2550

# Trichromacy



## Original Color

43.1687, 33.4420, 52.3238

## Protanomaly

36.4684, 33.0979, 58.4993

## Deuteranomaly

36.8928, 33.0261, 50.8846

## Tritanomaly

40.5483, 33.4090, 39.4334

# Monochromacy



## Original Color

43.1687, 33.4420, 52.3238

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

36.6171, 34.2179, 43.2029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1687, 33.4420, 52.3238 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(207, 132, 189)` looks like.

```
.text, #text, p{  
    color:rgb(207, 132, 189)  
}
```

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(207, 132, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 132, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1687, 33.4420, 52.3238 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(207, 132, 189) }
```



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

```
.border{ border-color:rgb(207, 132, 189) }
```

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

Here you see how a box with a 4 pixel rgb(207, 132, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 132, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 132, 189);  
box-shadow:4px 4px 4px 4px rgb(207, 132,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1687, 33.4420, 52.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 132, 189) }
```

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

```
.background{ background-color: rgb(207,  
132, 189) }
```

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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