

Converting Colors

XYZ(42.2829, 33.2389, 58.0269)

Have a look what the booklet for
XYZ(42.2829, 33.2389, 58.0269)
contains.

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Color

**XYZ(42.3871, 33.3158,
58.2294)**

Conversions

Conversions Part 1

Format	Color
Hex	C786C7
RGB	199, 134, 199
RGB Percent	78%, 53%, 78%
CMY	0.2196, 0.4745, 0.2196
CMYK	0.00, 0.33, 0.00, 0.22
HSL	300°, 37%, 65%
HSV	300°, 33%, 78%
XYZ	42.3871, 33.3158, 58.2294
YIQ	160.8450, 17.8750, 33.9950

Conversions

Conversions Part 2

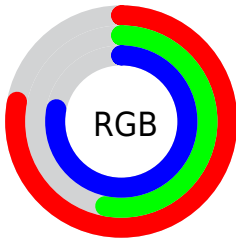
Format	Color
R_{YB}	199, 134, 199
Decimal	13076167
CIE _{Lab}	64.42, 35.38, -23.69
CIE _{LCh}	64, 42.584, 326.196
Yxy	33.3158, 0.3165, 0.2488
Android (android.graphics.Color)	4291266247 (0xFFC786C7)
YUV	160.8450, 18.8104, 33.4619
Hunter-Lab	57.7198, 30.0734, -19.4095

Details

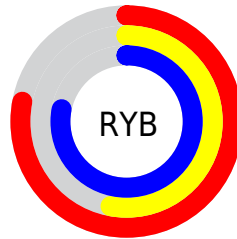
The XYZ color **42.3871, 33.3158, 58.2294** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5594, 47.6376, 29.9296**, and the grayscale version is **33.7149, 35.4707, 38.6276**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **19.7057, 14.1601, 28.4826** is the 20% darker color. If you saturate the color by 10%, you get **39.8915, 28.3240, 57.3978**, and if you desaturate by 10%, it is **45.4023, 39.3456, 59.2349**.

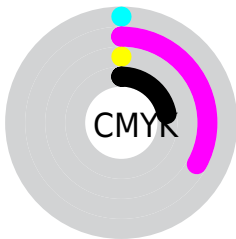
Distribution



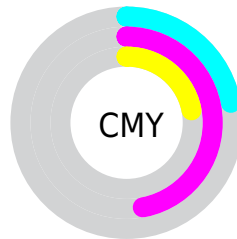
- Red (78%)
- Green (53%)
- Blue (78%)



- Red (78%)
- Yellow (53%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3871, 33.3158, 58.2294 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 42.3871, 33.3158, 58.2294 by changing the saturation by 10% instead.


 42.3871, 33.3158,
58.2294

 42.3871, 33.3158,
58.2294


347.0495,
317.0703, 435.6623

 29.5970, 22.3685,
41.5772

 78.0466, 64.8683,
103.7749

 19.6794, 14.1279,
28.4473


 101.6468, 86.2422,
133.5053

 12.2691, 8.2097,
18.4211


 129.5809,
111.8604, 168.4321

 7.0007, 4.2294,
11.0802

162.2144,
142.1074, 208.9740

 3.5089, 1.8027,
6.0059

199.9127,
177.3675, 255.5494

 1.4282, 0.4889,
2.7798

243.0411,

 0.2762, 0.0000,

218.0251, 308.5769

0.9834

291.9649,
264.4646, 368.4750

■ 0.0000, 0.0000,
0.0000

■ 42.3871, 33.3158,
58.2294

■ 42.3871, 33.3158,
58.2294

■ 39.8915, 28.3240,
57.3978

■ 45.4023, 39.3456,
59.2349

■ 37.8833, 24.3076,
56.7283

■ 48.9608, 46.4626,
60.4212

■ 36.3315, 21.2041,
56.2109


■ 53.0887, 54.7182,
61.7973


■ 35.2004, 18.9419,
55.8338


■ 57.8093, 64.1593,
63.3709


■ 34.4489, 17.4389,
55.5831


■ 63.1447, 74.8301,
65.1495


 34.0276, 16.5964,
55.4426

 69.1159, 86.7726,
67.1400

 33.8623, 16.2658,
55.3874

 69.6226, 87.7859,
67.3090

 69.6226, 87.7859,
67.3091

 69.6227, 87.7859,
67.3092

Harmonies

Analogous

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



37.1021, 33.3158, 75.2908



42.3871, 33.3158, 58.2294



44.7965, 33.3158, 38.5382

Triad

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



42.3871, 33.3158, 58.2294



32.4463, 33.3158, 12.1012



22.3056, 33.3158, 53.1210

Complementary

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



42.3871, 33.3158, 58.2294



34.5594, 47.6376, 29.9296

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.



21.3898, 33.3158, 34.1026



42.3871, 33.3158, 58.2294



26.7881, 33.3158, 13.7901

Square

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



42.3871, 33.3158, 58.2294



38.6126, 33.3158, 14.9868



22.9242, 33.3158, 20.6762



25.6063, 33.3158, 71.7400

Rectangle

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



42.3871, 33.3158, 58.2294



44.2475, 33.3158, 27.7283



22.9242, 33.3158, 20.6762



21.7284, 33.3158, 46.4195

Sweetspot

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



42.3882, 33.3173, 58.2301



87.4478, 84.7957, 106.3657



28.6669, 26.2437, 57.5883



18.5068, 17.7284, 22.6964



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.



42.3882, 33.3173, 58.2301



71.1029, 52.1061, 100.9169



39.0084, 31.9654, 40.4327



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864

Inverse Universe

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



42.3882, 33.3173, 58.2301



71.1029, 52.1061, 100.9169



37.1851, 48.6879, 43.7566



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 42.3871, 33.3158, 58.2294 looks on a white background.

Color Contrast Check

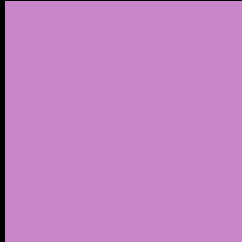
Large Text (above 18pt) WCAG AA × Fail

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 42.3871, 33.3158, 58.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

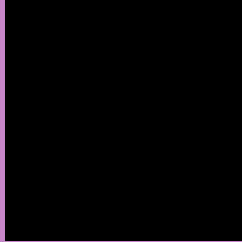
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3871, 33.3158, 58.2294

Background



This preview shows how black text looks on a background with the XYZ color 42.3871, 33.3158, 58.2294.



This preview shows how white text looks on a background with the XYZ color 42.3871, 33.3158,

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

42.3871, 33.3158, 58.2294

Protanopia

34.3407, 33.4552, 68.2659

Deuteranopia

34.1905, 33.3980, 56.2742



Tritanopia

37.6475, 33.3155, 35.0181

Trichromacy



Original Color

42.3871, 33.3158, 58.2294

Protanomaly

36.6403, 33.0480, 64.7693

Deuteranomaly

36.6049, 32.9783, 56.6607

Tritanomaly

39.1395, 33.2605, 42.3873

Monochromacy



Original Color

42.3871, 33.3158, 58.2294

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.4837, 34.3423, 45.2633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3871, 33.3158, 58.2294 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(199, 134, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 134, 199)  
}
```

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(199, 134, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 134, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.3871, 33.3158, 58.2294 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(199, 134, 199) }
```


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

```
.border{ border-color:rgb(199, 134, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 134, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 134, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 134, 199); box-shadow:4px 4px 4px 4px rgb(199, 134, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3871, 33.3158, 58.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 134, 199) }
```

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

```
.background{ background-color: rgb(199,  
134, 199) }
```

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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