

Converting Colors

XYZ(42.4681, 33.4118, 59.9027)

Have a look what the booklet for
XYZ(42.4681, 33.4118, 59.9027)
contains.

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Color

**XYZ(42.4745, 33.3202,
60.0699)**

Conversions

Conversions Part 1

Format	Color
Hex	C686CA
RGB	198, 134, 202
RGB Percent	78%, 53%, 79%
CMY	0.2235, 0.4745, 0.2078
CMYK	0.02, 0.34, 0.00, 0.21
HSL	296°, 39%, 66%
HSV	296°, 34%, 79%
XYZ	42.4745, 33.3202, 60.0699
YIQ	160.8880, 16.3160, 34.7160

Conversions

Conversions Part 2

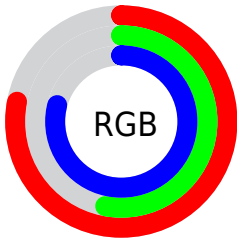
Format	Color
R_{YB}	198, 134, 202
Decimal	13010634
CIE _{Lab}	64.42, 35.63, -25.38
CIE _{LCh}	64, 43.745, 324.540
Yxy	33.3202, 0.3126, 0.2452
Android (android.graphics.Color)	4291200714 (0xFFC686CA)
YUV	160.8880, 20.2682, 32.5472
Hunter-Lab	57.7237, 30.3284, -21.2934

Details

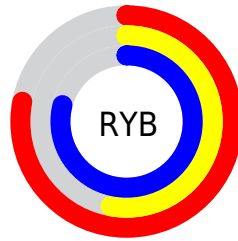
The XYZ color **42.4745, 33.3202, 60.0699** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.9059, 49.3663, 30.1920**, and the grayscale version is **33.7288, 35.4853, 38.6435**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **19.7662, 14.1643, 29.7092** is the 20% darker color. If you saturate the color by 10%, you get **39.6332, 28.1000, 59.2125**, and if you desaturate by 10%, it is **45.8537, 39.6111, 61.1065**.

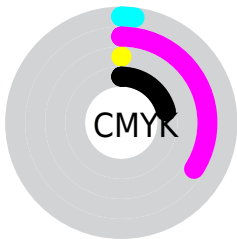
Distribution



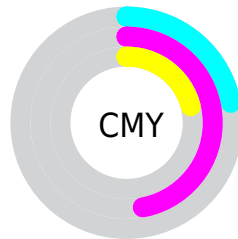
- Red (78%)
- Green (53%)
- Blue (79%)



- Red (78%)
- Yellow (53%)
- Blue (79%)



- Cyan (2%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)





- Cyan (22%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4745, 33.3202, 60.0699 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 42.4745, 33.3202, 60.0699 by changing the saturation by 10% instead.


 42.4745, 33.3202,
60.0699

 42.4745, 33.3202,
60.0699


347.4044,
317.0901, 442.6672


 29.6657, 22.3719,
43.0493


 78.1779, 64.8751,
106.4754

 19.7318, 14.1304,
29.5921


 101.8033, 86.2505,
136.6974

 12.3074, 8.2114,
19.2798


 129.7650,
111.8703, 172.1570

 7.0271, 4.2305,
11.6938

162.4282,
142.1190, 213.2727

 3.5255, 1.8033,
6.4155

200.1584,
177.3809, 260.4630

 1.4374, 0.4892,
3.0265

243.3210,

 0.2826, 0.0000,

218.0405, 314.1465

1.1082

292.2812,
264.4821, 374.7417

■ 0.0000, 0.0000,
0.0000

■ 42.4745, 33.3202,
60.0699

■ 42.4745, 33.3202,
60.0699

■ 39.6332, 28.1000,
59.2125

■ 45.8537, 39.6111,
61.1065

■ 37.2960, 23.8851,
58.5222

■ 49.7955, 47.0243,
62.3297

■ 35.4305, 20.6100,
57.9883

■ 54.3271, 55.6136,
63.7487

■ 33.9992, 18.1994,
57.5985

■ 59.4731, 65.4277,
65.3718

■ 32.9585, 16.5667,
57.3382

■ 65.2563, 76.5128,
67.2067

■ 32.2562, 15.6071,
57.1900

■ 71.6335, 88.7819,
69.2387

■ 31.9260, 15.2270,
57.1340

■ 71.9627, 88.9517,
69.2541

■ 72.2945, 89.1227,
69.2697

■ 72.6288, 89.2950,
69.2853

Harmonies

Analogous

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



36.9154, 33.3202, 77.3402



42.4745, 33.3202, 60.0699



45.1680, 33.3202, 39.6463

Triad

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



42.4745, 33.3202, 60.0699



32.8244, 33.3202, 11.7087



21.9669, 33.3202, 52.4927

Complementary

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



42.4745, 33.3202, 60.0699



35.9059, 49.3663, 30.1920

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.



21.1707, 33.3202, 33.1099



42.4745, 33.3202, 60.0699



26.9464, 33.3202, 13.1502

Square

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



42.4745, 33.3202, 60.0699



39.1474, 33.3202, 14.8821



22.8730, 33.3202, 19.7826



25.2108, 33.3202, 72.0536

Rectangle

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



42.4745, 33.3202, 60.0699



44.7516, 33.3202, 28.3237



22.8730, 33.3202, 19.7826



21.4237, 33.3202, 45.6022

Sweetspot

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



42.4756, 33.3217, 60.0706



86.8982, 84.5124, 106.3402



29.6587, 27.6645, 59.6542



18.3727, 17.6593, 22.6902



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.



42.4756, 33.3217, 60.0706



68.5085, 50.1424, 100.6754



40.3810, 32.6072, 43.4655



11.6199, 11.3688, 14.1523



20.5706, 9.8121, 36.7660



1.0815, 0.5166, 1.8977

Inverse Universe

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



37.4707, 31.4431, 28.1402



58.8892, 46.5456, 38.6808



37.6059, 49.9713, 42.5346



11.2386, 11.2242, 11.7913



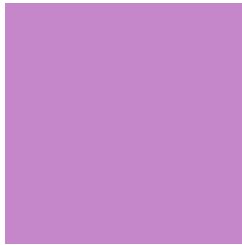
15.7269, 8.1014, 1.0148



0.8209, 0.4218, 0.1027

Previews

White Background



This preview shows how the XYZ color 42.4745, 33.3202, 60.0699 looks on a white background.

Color Contrast Check

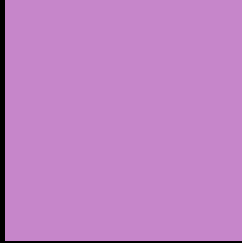
Large Text (above 18pt) WCAG AA × Fail

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 42.4745, 33.3202, 60.0699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

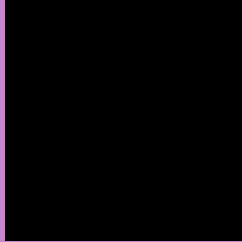
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4745, 33.3202, 60.0699

Background



This preview shows how black text looks on a background with the XYZ color 42.4745, 33.3202, 60.0699.



This preview shows how white text looks on a background with the XYZ color 42.4745, 33.3202,

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

42.4745, 33.3202, 60.0699

Protanopia

34.5612, 33.5242, 70.2949

Deuteranopia

34.3263, 33.6724, 58.1163



Tritanopia

37.6279, 33.5195, 35.4971

Trichromacy



Original Color

42.4745, 33.3202, 60.0699

Protanomaly

36.8146, 33.0945, 66.7349

Deuteranomaly

36.6789, 33.2064, 58.5091

Tritanomaly

39.0726, 33.2041, 43.3794

Monochromacy



Original Color

42.4745, 33.3202, 60.0699

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.3586, 34.2665, 45.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4745, 33.3202, 60.0699 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(198, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(198, 134, 202)  
}
```

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(198, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 134, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.4745, 33.3202, 60.0699 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(198, 134, 202) }
```


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

```
.border{ border-color:rgb(198, 134, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 134, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(198, 134,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4745, 33.3202, 60.0699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 134, 202) }
```

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

```
.background{ background-color: rgb(198,  
134, 202) }
```

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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