

Converting Colors

XYZ(45.6946, 34.0800, 57.8339)

Have a look what the booklet for
XYZ(45.6946, 34.0800, 57.8339)
contains.

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Color

**XYZ(45.4839, 33.9239,
57.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	D581C6
RGB	213, 129, 198
RGB Percent	84%, 51%, 78%
CMY	0.1647, 0.4941, 0.2235
CMYK	0.00, 0.39, 0.07, 0.16
HSL	311°, 50%, 67%
HSV	311°, 39%, 84%
XYZ	45.4839, 33.9239, 57.5768
YIQ	161.9820, 27.9150, 39.2670

Conversions

Conversions Part 2

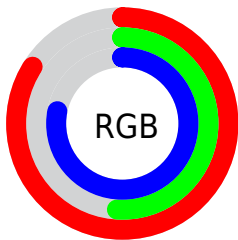
Format	Color
R _Y B	213, 129, 198
Decimal	13992390
CIE Lab	64.90, 42.37, -22.24
CIE LCh	65, 47.857, 332.303
Yxy	33.9239, 0.3320, 0.2476
Android (android.graphics.Color)	4292182470 (0xFFD581C6)
YUV	161.9820, 17.7569, 44.7428
Hunter-Lab	58.2442, 37.4663, -17.8396

Details

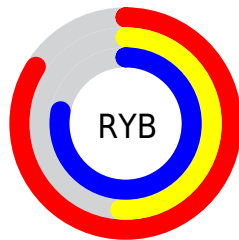
The XYZ color **45.4839, 33.9239, 57.5768** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8830, 54.2704, 34.8664**, and the grayscale version is **34.2456, 36.0290, 39.2356**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **21.5925, 14.4895, 28.0443** is the 20% darker color. If you saturate the color by 10%, you get **42.5321, 28.7132, 54.4555**, and if you desaturate by 10%, it is **49.0336, 40.3116, 60.9525**.

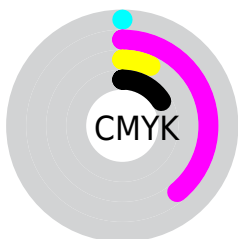
Distribution



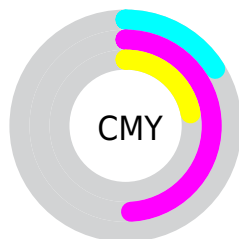
- Red (84%)
- Green (51%)
- Blue (78%)



- Red (84%)
- Yellow (51%)
- Blue (78%)



- Cyan (0%)
- Magenta (39%)
- Yellow (7%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4839, 33.9239, 57.5768 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 45.4839, 33.9239, 57.5768 by changing the saturation by 10% instead.


 45.4839, 33.9239,
57.5768


 45.4839, 33.9239,
57.5768

359.4807,
319.7926, 433.1613


 32.0416, 22.8351,
41.0561


 82.6787, 65.8153,
102.8150

 21.5490, 14.4718,
28.0429


 107.1619, 87.3868,
132.3696

 13.6406, 8.4496,
18.1187


 136.0562,
113.2212, 167.1058

 7.9512, 4.3839,
10.8649

169.7269,
143.7031, 207.4423

 4.1153, 1.8906,
5.8630

208.5393,
179.2168, 253.7975

 1.7676, 0.5427,
2.6945

252.8588,

 0.4980, 0.0000,

220.1466, 306.5901

0.9407

303.0508,
266.8771, 366.2385

■ 0.0000, 0.0000,
0.0000

■ 45.4839, 33.9239,
57.5768

■ 45.4839, 33.9239,
57.5768

■ 42.5321, 28.7132,
54.4555

■ 49.0336, 40.3116,
60.9525

■ 40.1384, 24.6017,
51.5738

■ 53.2115, 47.9386,
64.5920

■ 38.2629, 21.5092,
48.9185


■ 58.0497, 56.8684,
68.5068


■ 36.8592, 19.3431,
46.4736


■ 63.5773, 67.1587,
72.7068


■ 35.8724, 17.9935,
44.2204


■ 69.8212, 78.8638,
77.2016


 35.2093, 17.2746,
42.1276

 76.2286, 90.8774,
81.8071

 35.1751, 17.2400,
42.0119

 76.7408, 91.0822,
84.5042

 77.2645, 91.2917,
87.2622

 77.7999, 91.5059,
90.0814

Harmonies

Analogous

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



39.8708, 33.9239, 79.2929



45.4839, 33.9239, 57.5768



47.4103, 33.9239, 35.4308

Triad

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



45.4839, 33.9239, 57.5768



31.7132, 33.9239, 10.4838



22.2742, 33.9239, 61.2073

Complementary

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



45.4839, 33.9239, 57.5768



37.8830, 54.2704, 34.8664

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.



20.7149, 33.9239, 38.4860



45.4839, 33.9239, 57.5768



25.6570, 33.9239, 13.2203

Square

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



45.4839, 33.9239, 57.5768



38.8160, 33.9239, 12.4652



21.8600, 33.9239, 21.9342



26.4585, 33.9239, 81.8620

Rectangle

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



45.4839, 33.9239, 57.5768



46.1513, 33.9239, 24.3062



21.8600, 33.9239, 21.9342



21.4550, 33.9239, 53.3258

Sweetspot

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



45.4850, 33.9254, 57.5775



85.1858, 81.6596, 101.3330



31.1898, 26.3461, 66.3930



18.0232, 17.0901, 21.5213



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.



45.4850, 33.9254, 57.5775



64.7183, 44.5472, 82.7259



41.3780, 32.2826, 35.9503



12.8534, 12.5929, 15.1684



21.5206, 10.5446, 25.8432



1.3235, 0.6462, 1.6928

Inverse Universe

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



45.4850, 33.9254, 57.5775



64.7183, 44.5472, 82.7259



41.6058, 55.7595, 54.4701



12.8534, 12.5929, 15.1684



21.5206, 10.5446, 25.8432



1.3235, 0.6462, 1.6928

Previews

White Background



This preview shows how the XYZ color 45.4839, 33.9239, 57.5768 looks on a white background.

Color Contrast Check

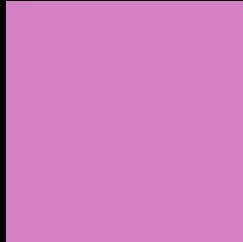
Large Text (above 18pt) WCAG AA × Fail

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 45.4839, 33.9239, 57.5768 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 45.4839, 33.9239, 57.5768

Background



This preview shows how black text looks on a background with the XYZ color 45.4839, 33.9239, 57.5768.

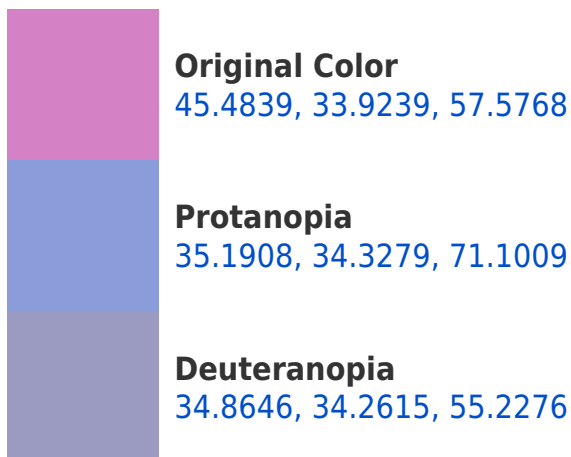


This preview shows how white text looks on a background with the XYZ color 45.4839, 33.9239,

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

40.3896, 33.9006, 32.8485

Trichromacy



Original Color

45.4839, 33.9239, 57.5768



Protanomaly

37.7626, 33.3679, 66.0784



Deuteranomaly

38.0337, 33.7280, 56.1353



Tritanomaly

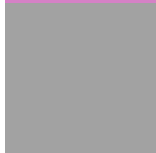
41.9335, 33.6733, 40.8487

Monochromacy



Original Color

45.4839, 33.9239, 57.5768



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.7003, 34.7316, 45.2743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4839, 33.9239, 57.5768 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(213, 129, 198)` looks like.

```
.text, #text, p{  
    color:rgb(213, 129, 198)  
}
```

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(213, 129, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 129, 198) }
```

Border

The CSS property to change the border of an element to XYZ 45.4839, 33.9239, 57.5768 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(213, 129, 198) }
```


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

```
.border{ border-color:rgb(213, 129, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 129, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 129, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 129, 198);  
box-shadow:4px 4px 4px 4px rgb(213, 129,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4839, 33.9239, 57.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 129, 198) }
```

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

```
.background{ background-color: rgb(213,  
129, 198) }
```

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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