

Converting Colors

XYZ(33.9244, 28.1233, 50.0547)

Have a look what the booklet for
XYZ(33.9244, 28.1233, 50.0547)
contains.

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Color

**XYZ(33.9468, 28.1299,
50.0948)**

Conversions

Conversions Part 1

Format	Color
Hex	AD81BA
RGB	173, 129, 186
RGB Percent	68%, 51%, 73%
CMY	0.3216, 0.4941, 0.2706
CMYK	0.07, 0.31, 0.00, 0.27
HSL	286°, 29%, 62%
HSV	286°, 31%, 73%
XYZ	33.9468, 28.1299, 50.0948
YIQ	148.6540, 7.9270, 27.0550

Conversions

Conversions Part 2

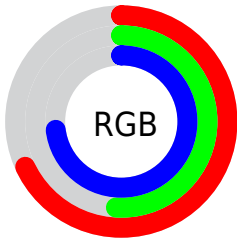
Format	Color
RYB	173, 129, 186
Decimal	11370938
CIELab	60.01, 27.14, -23.35
CIELCh	60, 35.804, 319.288
Yxy	28.1299, 0.3026, 0.2508
Android (android.graphics.Color)	4289561018 (0xFFAD81BA)
YUV	148.6540, 18.4116, 21.3514
Hunter-Lab	53.0376, 21.4333, -18.8739

Details

The XYZ color **33.9468, 28.1299, 50.0948** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.6775, 42.4542, 27.2423**, and the grayscale version is **28.3454, 29.8216, 32.4757**.

A 20% lighter version of the original color is **65.0681, 56.5247, 91.4853**, and **14.7753, 11.2785, 23.5885** is the 20% darker color. If you saturate the color by 10%, you get **30.7933, 23.1928, 49.3085**, and if you desaturate by 10%, it is **37.5779, 33.9767, 51.0324**.

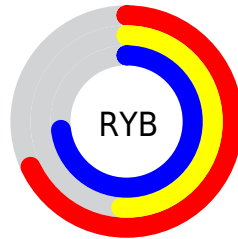
Distribution



Red (68%)

Green (51%)

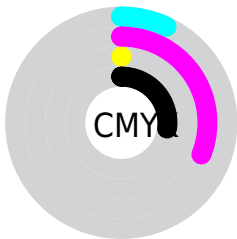
Blue (73%)



Red (68%)

Yellow (51%)

Blue (73%)

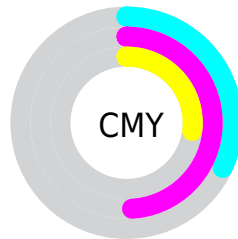


Cyan (7%)

Magenta (31%)

Yellow (0%)

Black (27%)



Cyan (32%)


Magenta (49%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9468, 28.1299, 50.0948 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 33.9468, 28.1299, 50.0948 by changing the saturation by 10% instead.


 33.9468, 28.1299,
50.0948

 33.9468, 28.1299,
50.0948


311.4849,
293.0871, 403.7822


 23.0154, 18.4236,
35.1170

 65.1958, 56.6918,
91.7131

 14.7257, 11.2545,
23.4688


 86.2441, 76.3161,
119.1906

 8.7121, 6.2383,
14.7315


 111.3954,
100.0153, 151.6719

 4.6095, 2.9905,
8.4866

141.0151,
128.1737, 189.5754

 2.0524, 1.1268,
4.3157

175.4686,
161.1756, 233.3196

 0.6631, 0.0007,
1.8001

215.1211,

 0.0000, 0.0000,

199.4056, 283.3231

0.4280

260.3381,
243.2480, 340.0045

■ 0.0000, 0.0000,
0.0000

■ 33.9468, 28.1299,
50.0948

■ 33.9468, 28.1299,
50.0948

■ 30.7933, 23.1928,
49.3085

■ 37.5779, 33.9767,
51.0324

■ 28.0901, 19.1132,
48.6635

■ 41.7065, 40.7744,
52.1269

■ 25.8113, 15.8391,
48.1516

■ 46.3546, 48.5661,
53.3859

■ 23.9273, 13.3113,
47.7630

■ 51.5421, 57.3914,
54.8159

■ 22.4039, 11.4625,
47.4865

■ 57.2879, 67.2873,
56.4232

■ 21.2012, 10.2127,
47.3086

■ 63.6097, 78.2892,
58.2135

■ 20.2915, 9.4368,
47.2068

■ 69.1689, 87.7190,
59.7407

■ 70.3378, 88.3217,
59.7954

■ 71.5385, 88.9407,
59.8516

Harmonies

Analogous

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



29.7380, 28.1299, 60.9603



33.9468, 28.1299, 50.0948



36.3078, 28.1299, 35.5358

Triad

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



33.9468, 28.1299, 50.0948



28.3992, 28.1299, 11.9908



19.2869, 28.1299, 39.6923

Complementary

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



33.9468, 28.1299, 50.0948



32.6775, 42.4542, 27.2423

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.



19.0153, 28.1299, 26.1955



33.9468, 28.1299, 50.0948



23.9443, 28.1299, 12.5184

Square

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



33.9468, 28.1299, 50.0948



32.8714, 28.1299, 15.2681



20.6273, 28.1299, 16.9987



21.4169, 28.1299, 53.8712

Rectangle

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



33.9468, 28.1299, 50.0948



36.3542, 28.1299, 26.7528



20.6273, 28.1299, 16.9987



18.9852, 28.1299, 34.8620

Sweetspot

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



33.9477, 28.1311, 50.0954



76.7932, 75.8998, 94.8041



27.6350, 27.6489, 50.3351



16.6525, 16.2840, 20.8080



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.9477, 28.1311, 50.0954



57.4588, 44.5826, 89.7783



35.4324, 29.0734, 42.1732



9.1752, 9.0567, 11.3440



13.7188, 6.3835, 31.7621



0.5335, 0.2507, 1.1220

Inverse Universe

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



32.9833, 28.0937, 29.2764



55.5811, 44.5984, 45.2442



31.6624, 41.8054, 32.8674



9.0863, 9.0449, 9.8017



13.9339, 7.1473, 2.2725



0.5153, 0.2616, 0.2070

Previews

White Background



This preview shows how the XYZ color 33.9468, 28.1299, 50.0948 looks on a white background.

Color Contrast Check

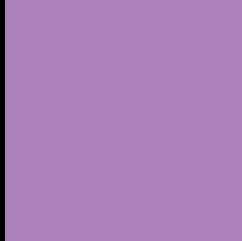
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 33.9468, 28.1299, 50.0948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

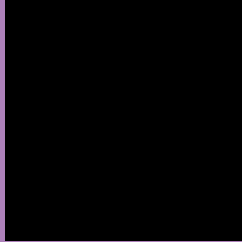
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9468, 28.1299, 50.0948

Background



This preview shows how black text looks on a background with the XYZ color 33.9468, 28.1299, 50.0948.



This preview shows how white text looks on a background with the XYZ color 33.9468, 28.1299,

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

33.9468, 28.1299, 50.0948

Protanopia

28.8395, 28.2976, 56.1665

Deuteranopia

28.8677, 28.2539, 48.7318



Tritanopia

30.1485, 28.2134, 31.4605

Trichromacy



Original Color

33.9468, 28.1299, 50.0948

Protanomaly

30.2800, 28.0025, 53.6783

Deuteranomaly

30.3599, 27.9313, 49.1385

Tritanomaly

31.3203, 28.0584, 37.4833

Monochromacy



Original Color

33.9468, 28.1299, 50.0948

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.2951, 29.2237, 38.2264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9468, 28.1299, 50.0948 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(173, 129, 186)` looks like.

```
.text, #text, p{  
    color:rgb(173, 129, 186)  
}
```

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(173, 129, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 129, 186) }
```

Border

The CSS property to change the border of an element to XYZ 33.9468, 28.1299, 50.0948 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(173, 129, 186) }
```


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

```
.border{ border-color:rgb(173, 129, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 129, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 129, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 129, 186);  
box-shadow:4px 4px 4px 4px rgb(173, 129,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9468, 28.1299, 50.0948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 129, 186) }
```

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

```
.background{ background-color: rgb(173,  
129, 186) }
```

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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