

Converting Colors

XYZ(33.2743, 24.8932, 29.0890)

Have a look what the booklet for
XYZ(33.2743, 24.8932, 29.0890)
contains.

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Color

**XYZ(33.2988, 24.8708,
29.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	C46E8F
RGB	196, 110, 143
RGB Percent	77%, 43%, 56%
CMY	0.2314, 0.5686, 0.4392
CMYK	0.00, 0.44, 0.27, 0.23
HSL	337°, 42%, 60%
HSV	337°, 44%, 77%
XYZ	33.2988, 24.8708, 29.0321
YIQ	139.4760, 40.6630, 28.4950

Conversions

Conversions Part 2

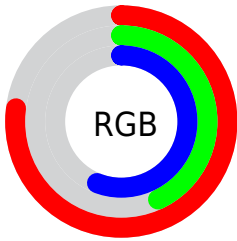
Format	Color
R _Y B	196, 110, 143
Decimal	12873359
CIE Lab	56.95, 38.04, -2.95
CIE LCh	57, 38.157, 355.562
Yxy	24.8708, 0.3819, 0.2852
Android (android.graphics.Color)	4291063439 (0xFFC46E8F)
YUV	139.4760, 1.7373, 49.5715
Hunter-Lab	49.8706, 31.9115, 0.3939

Details

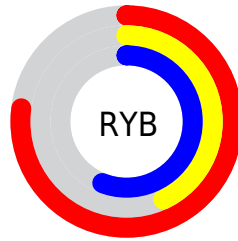
The XYZ color **33.2988, 24.8708, 29.0321** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **32.7824, 45.4398, 41.6956**, and the grayscale version is **24.7074, 25.9941, 28.3076**.

A 20% lighter version of the original color is **64.0483, 51.2964, 59.3488**, and **14.3550, 9.4937, 11.4318** is the 20% darker color. If you saturate the color by 10%, you get **30.5468, 20.7532, 23.8405**, and if you desaturate by 10%, it is **36.6184, 29.9655, 34.8997**.

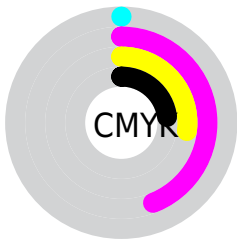
Distribution



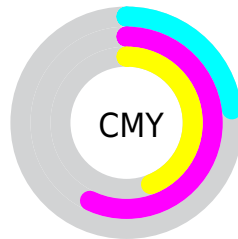
- Red (77%)
- Green (43%)
- Blue (56%)



- Red (77%)
- Yellow (43%)
- Blue (56%)



- Cyan (0%)
- Magenta (44%)
- Yellow (27%)
- Black (23%)





- Cyan (23%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2988, 24.8708, 29.0321 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 33.2988, 24.8708, 29.0321 by changing the saturation by 10% instead.


 33.2988, 24.8708,
29.0321


 33.2988, 24.8708,
29.0321


308.6352,
277.1939, 311.4321


 22.5158, 15.9808,
18.8593


 64.1933, 51.4475,
59.1709


 14.3551, 9.5106,
11.3929

 85.0355, 69.9031,
79.9740

 8.4514, 5.0757,
6.2143

 109.9615, 92.3160,
105.1575

 4.4393, 2.2917,
2.9049

 139.3366,
119.0706, 135.1402

 1.9536, 0.7693,
1.0463

173.5261,
150.5513, 170.3404

 0.6077, 0.0000,
0.0000

212.8955,

 0.0000, 0.0000,

187.1424, 211.1768

0.0000

257.8101,
229.2285, 258.0678

■ 33.2988, 24.8708,
29.0321

■ 33.2988, 24.8708,
29.0321

■ 30.5468, 20.7532,
23.8405

■ 36.6184, 29.9655,
34.8997

■ 28.3261, 17.5456,
19.2965

■ 40.5349, 36.0917,
41.4668

■ 26.5991, 15.1780,
15.3720


■ 45.0778, 43.3038,
48.7577

■ 25.3221, 13.5681,
12.0351


■ 50.2742, 51.6514,
56.7948


■ 24.4426, 12.6173,
9.2504


■ 56.1494, 61.1811,
65.5994

 24.0420, 12.2466,
7.7898

 62.7274, 71.9368,
75.1922

 70.0311, 83.9601,
85.5928

 74.1995, 89.5256,
95.5261

 76.0510, 90.2662,
105.2761

Harmonies

Analogous

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



31.4705, 24.8708, 43.5455



33.2988, 24.8708, 29.0321



32.2832, 24.8708, 17.7767

Triad

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



33.2988, 24.8708, 29.0321



20.1167, 24.8708, 10.3762



19.0987, 24.8708, 52.9169

Complementary

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



33.2988, 24.8708, 29.0321



32.7824, 45.4398, 41.6956

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.



16.6944, 24.8708, 39.1677



33.2988, 24.8708, 29.0321



17.2281, 24.8708, 15.3969

Square

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



33.2988, 24.8708, 29.0321



24.3111, 24.8708, 9.1907



16.0552, 24.8708, 25.2176



22.9793, 24.8708, 59.8340

Rectangle

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



33.2988, 24.8708, 29.0321



30.1905, 24.8708, 13.0190



16.0552, 24.8708, 25.2176



18.1112, 24.8708, 48.7649

Sweetspot

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



33.2995, 24.8720, 29.0326



82.2547, 79.3962, 89.2611



30.3600, 22.7784, 55.0212



17.1855, 16.3229, 18.4426



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.



33.2995, 24.8720, 29.0326



55.3566, 37.6241, 43.2262



32.1297, 25.9615, 18.0710



10.2296, 10.1404, 11.2994



15.4871, 7.8846, 5.2114



0.7029, 0.3542, 0.4027

Inverse Universe

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



33.2995, 24.8720, 29.0326



55.3566, 37.6241, 43.2262



34.2504, 43.0118, 58.7216



10.2296, 10.1404, 11.2994



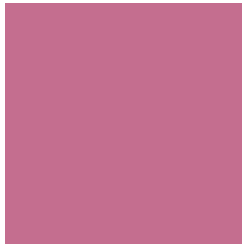
15.4871, 7.8846, 5.2114



0.7029, 0.3542, 0.4027

Previews

White Background



This preview shows how the XYZ color 33.2988, 24.8708, 29.0321 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 33.2988, 24.8708, 29.0321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

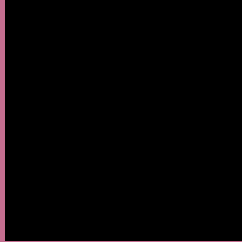
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2988, 24.8708, 29.0321

Background



This preview shows how black text looks on a background with the XYZ color 33.2988, 24.8708, 29.0321.



This preview shows how white text looks on a background with the XYZ color 33.2988, 24.8708,

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

33.2988, 24.8708, 29.0321

Protanopia

24.7350, 25.0981, 36.3416

Deuteranopia

25.4422, 25.0287, 27.9162



Tritanopia

31.7783, 24.9091, 21.5454

Trichromacy



Original Color

33.2988, 24.8708, 29.0321

Protanomaly

27.0494, 24.5466, 33.4493

Deuteranomaly

27.7931, 24.6677, 28.1074

Tritanomaly

32.4401, 25.0241, 24.2394

Monochromacy



Original Color

33.2988, 24.8708, 29.0321

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9500, 24.8054, 28.1784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2988, 24.8708, 29.0321 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(196, 110, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 143)  
}
```

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(196, 110, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.2988, 24.8708, 29.0321 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(196, 110, 143) }
```


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

```
.border{ border-color:rgb(196, 110, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 143);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2988, 24.8708, 29.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 143) }
```

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

```
.background{ background-color: rgb(196,  
110, 143) }
```

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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