

Converting Colors

XYZ(33.0789, 27.7429, 29.9789)

Have a look what the booklet for
XYZ(33.0789, 27.7429, 29.9789)
contains.

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Color

**XYZ(33.1169, 27.7572,
29.9978)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7F90
RGB	187, 127, 144
RGB Percent	73%, 50%, 56%
CMY	0.2667, 0.5019, 0.4353
CMYK	0.00, 0.32, 0.23, 0.27
HSL	343°, 31%, 62%
HSV	343°, 32%, 73%
XYZ	33.1169, 27.7572, 29.9978
YIQ	146.8780, 30.3030, 18.0070

Conversions

Conversions Part 2

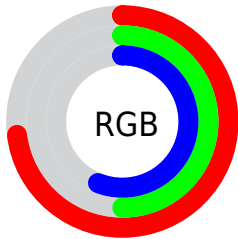
Format	Color
R_{YB}	187, 127, 144
Decimal	12287888
CIE Lab	59.67, 25.68, 0.32
CIE LCh	60, 25.680, 0.724
Yxy	27.7572, 0.3644, 0.3055
Android (android.graphics.Color)	4290477968 (0xFFBB7F90)
YUV	146.8780, -1.4189, 35.1870
Hunter-Lab	52.6851, 20.0029, 3.1211

Details

The XYZ color **33.1169, 27.7572, 29.9978** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.7796, 42.9555, 44.5432**, and the grayscale version is **27.6804, 29.1219, 31.7138**.

A 20% lighter version of the original color is **63.8225, 55.9528, 60.8622**, and **14.1900, 11.0214, 11.9691** is the 20% darker color. If you saturate the color by 10%, you get **29.9579, 22.9822, 24.1874**, and if you desaturate by 10%, it is **36.8473, 33.4799, 36.5994**.

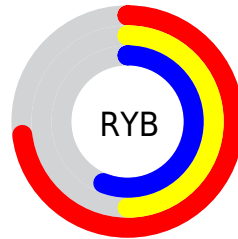
Distribution



Red (73%)

Green (50%)

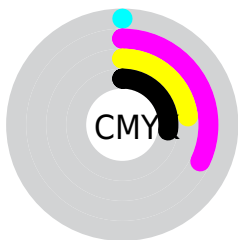
Blue (56%)



Red (73%)

Yellow (50%)

Blue (56%)

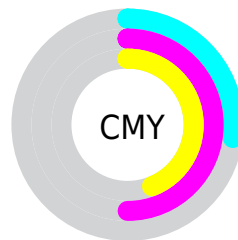


Cyan (0%)

Magenta (32%)

Yellow (23%)

Black (27%)



Cyan (27%)


Magenta (50%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1169, 27.7572, 29.9978 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 33.1169, 27.7572, 29.9978 by changing the saturation by 10% instead.


 33.1169, 27.7572,
29.9978


 33.1169, 27.7572,
29.9978


307.8318,
291.3049, 316.1012

 22.3757, 18.1427,
19.5849


 63.9115, 56.0966,
60.7197

 14.2513, 11.0525,
11.9126


 84.6955, 75.5902,
81.8657

 8.3786, 6.1022,
6.5624


 109.5579, 99.1458,
107.4265

 4.3920, 2.9073,
3.1157

138.8639,
127.1475, 137.8206

 1.9262, 1.0835,
1.1540

172.9789,
159.9799, 173.4666

 0.5920, 0.0000,
0.0000

212.2684,

 0.0000, 0.0000,

198.0274, 214.7830

0.0000

257.0976,
241.6742, 262.1884

■ 33.1169, 27.7572,
29.9978

■ 33.1169, 27.7572,
29.9978

■ 29.9579, 22.9822,
24.1874

■ 36.8473, 33.4799,
36.5994

■ 27.3389, 19.0996,
19.1358

■ 41.1738, 40.1938,
44.0193

■ 25.2289, 16.0545,
14.8109


■ 46.1223, 47.9446,
52.2854


■ 23.5929, 13.7840,
11.1774


■ 51.7166, 56.7737,
61.4238


■ 22.3907, 12.2164,
8.1969


■ 57.9791, 66.7206,
71.4594


 21.5753, 11.2664,
5.8264

 64.9312, 77.8224,
82.4162

 21.1356, 10.8216,
4.3399

 71.6595, 88.2472,
94.0058

 73.7010, 89.0638,
104.7562

 74.3035, 89.3048,
107.9291

Harmonies

Analogous

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



32.1999, 27.7572, 39.8171



33.1169, 27.7572, 29.9978



32.1100, 27.7572, 21.9910

Triad

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



33.1169, 27.7572, 29.9978



23.3250, 27.7572, 17.3307



23.4509, 27.7572, 48.6160

Complementary

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



33.1169, 27.7572, 29.9978



33.7796, 42.9555, 44.5432

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.



21.3799, 27.7572, 40.2886



33.1169, 27.7572, 29.9978



21.3115, 27.7572, 22.3087

Square

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



33.1169, 27.7572, 29.9978



26.3037, 27.7572, 15.6594



20.6290, 27.7572, 30.4491



26.4612, 27.7572, 51.8110

Rectangle

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



33.1169, 27.7572, 29.9978



30.5272, 27.7572, 18.4057



20.6290, 27.7572, 30.4491



22.6308, 27.7572, 46.2502

Sweetspot

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



33.1177, 27.7585, 29.9984



75.3570, 74.5074, 81.5635



33.1376, 27.3141, 50.5394



16.3326, 15.9983, 17.5193



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.



33.1177, 27.7585, 29.9984



55.5048, 43.9419, 46.7723



33.7033, 30.8546, 24.2596



9.6383, 9.5796, 10.4843



14.5898, 7.4671, 3.1336



0.6006, 0.3041, 0.2760

Inverse Universe

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



33.1177, 27.7585, 29.9984



55.5048, 43.9419, 46.7723



32.8591, 38.3728, 52.6886



9.6383, 9.5796, 10.4843



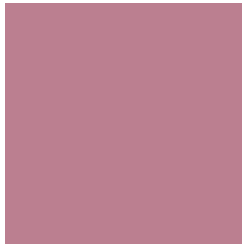
14.5898, 7.4671, 3.1336



0.6006, 0.3041, 0.2760

Previews

White Background



This preview shows how the XYZ color 33.1169, 27.7572, 29.9978 looks on a white background.

Color Contrast Check

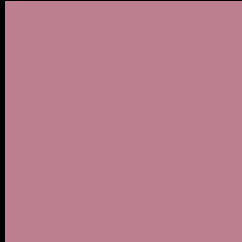
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1169, 27.7572, 29.9978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

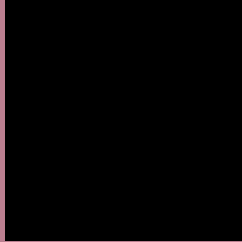
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1169, 27.7572, 29.9978

Background



This preview shows how black text looks on a background with the XYZ color 33.1169, 27.7572, 29.9978.



This preview shows how white text looks on a background with the XYZ color 33.1169, 27.7572,

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

33.1169, 27.7572, 29.9978

Protanopia

27.1568, 27.9073, 34.5272

Deuteranopia

28.4132, 27.7892, 29.4575



Tritanopia

32.5563, 27.7124, 27.6779

Trichromacy



Original Color

33.1169, 27.7572, 29.9978

Protanomaly

28.9479, 27.5669, 32.6494

Deuteranomaly

29.9841, 27.7461, 29.7618

Tritanomaly

32.7025, 27.7709, 28.4477

Monochromacy



Original Color

33.1169, 27.7572, 29.9978

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.4667, 28.5129, 31.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1169, 27.7572, 29.9978 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(187, 127, 144)` looks like.

```
.text, #text, p{  
    color:rgb(187, 127, 144)  
}
```

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(187, 127, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 127, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.1169, 27.7572, 29.9978 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(187, 127, 144) }
```


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

```
.border{ border-color:rgb(187, 127, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 127, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 127, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 127, 144);  
box-shadow:4px 4px 4px 4px rgb(187, 127,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1169, 27.7572, 29.9978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 127, 144) }
```

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

```
.background{ background-color: rgb(187,  
127, 144) }
```

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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