

Converting Colors

XYZ(33.1590, 26.6734, 33.8997)

Have a look what the booklet for
XYZ(33.1590, 26.6734, 33.8997)
contains.

XYZ(33.2858, 26.8170, 33.9937)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2858, 26.8170,
33.9937)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7A9A
RGB	187, 122, 154
RGB Percent	73%, 48%, 60%
CMY	0.2667, 0.5215, 0.3961
CMYK	0.00, 0.35, 0.18, 0.27
HSL	330°, 32%, 61%
HSV	330°, 35%, 73%
XYZ	33.2858, 26.8170, 33.9937
YIQ	145.0830, 28.4680, 23.7320

Conversions

Conversions Part 2

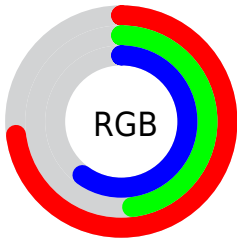
Format	Color
R _Y B	187, 122, 154
Decimal	12286618
CIE Lab	58.80, 30.00, -6.70
CIE LCh	59, 30.740, 347.402
Yxy	26.8170, 0.3537, 0.2850
Android (android.graphics.Color)	4290476698 (0xFFBB7A9A)
YUV	145.0830, 4.3961, 36.7612
Hunter-Lab	51.7851, 24.1100, -2.6706

Details

The XYZ color **33.2858, 26.8170, 33.9937** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.7139, 42.0455, 37.4565**, and the grayscale version is **26.9227, 28.3248, 30.8457**.

A 20% lighter version of the original color is **64.0234, 54.4471, 66.8095**, and **14.2813, 10.5195, 14.1097** is the 20% darker color. If you saturate the color by 10%, you get **30.4471, 22.3552, 29.2992**, and if you desaturate by 10%, it is **36.6304, 32.1898, 39.1661**.

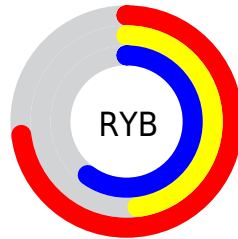
Distribution



Red (73%)

Green (48%)

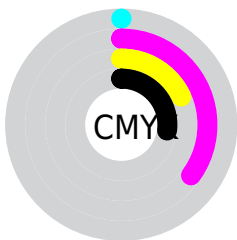
Blue (60%)



Red (73%)

Yellow (48%)

Blue (60%)

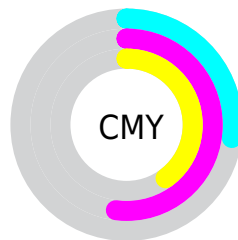


Cyan (0%)

Magenta (35%)

Yellow (18%)

Black (27%)



Cyan (27%)

Magenta (52%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2858, 26.8170, 33.9937 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 33.2858, 26.8170, 33.9937 by changing the saturation by 10% instead.

■ 33.2858, 26.8170,
33.9937

■ 33.2858, 26.8170,
33.9937

308.5779,
286.7700, 334.8723

■ 22.5058, 17.4358,
22.6114

■ 64.1732, 54.5901,
67.0577

■ 14.3477, 10.5457,
14.1043

■ 85.0112, 73.7508,
89.5764

■ 8.4462, 5.7623,
8.0536

■ 109.9326, 96.9401,
116.6445

■ 4.4360, 2.7011,
4.0410

139.3028,
124.5424, 148.6803

■ 1.9516, 0.9777,
1.6479

173.4870,
156.9422, 186.1024

■ 0.6066, 0.0000,
0.3246

212.8507,

■ 0.0000, 0.0000,

194.5238, 229.3294

0.0000

257.7592,
237.6716, 278.7799

■ 33.2858, 26.8170,
33.9937

■ 33.2858, 26.8170,
33.9937

■ 30.4471, 22.3552,
29.2992

■ 36.6304, 32.1898,
39.1661

■ 28.0851, 18.7494,
25.0648

■ 40.5034, 38.5174,
44.8298

■ 26.1711, 15.9441,
21.2740


■ 44.9286, 45.8449,
50.9997

■ 24.6721, 13.8758,
17.9080


■ 49.9277, 54.2137,
57.6895


■ 23.5501, 12.4711,
14.9462


■ 55.5213, 63.6627,
64.9123


 22.7593, 11.6414,
12.3651

 61.7287, 74.2289,
72.6807

 22.4279, 11.3386,
11.1446

 68.5685, 85.9474,
81.0068

 70.5304, 87.7956,
88.0596

 71.9003, 88.3435,
95.2733

Harmonies

Analogous

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



31.2406, 26.8170, 45.7329



33.2858, 26.8170, 33.9937



33.0972, 26.8170, 23.3895

Triad

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



33.2858, 26.8170, 33.9937



23.3701, 26.8170, 13.4641



20.8660, 26.8170, 47.4222

Complementary

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



33.2858, 26.8170, 33.9937



31.7139, 42.0455, 37.4565

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.



19.1460, 26.8170, 35.8990



33.2858, 26.8170, 33.9937



20.4902, 26.8170, 17.2249

Square

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



33.2858, 26.8170, 33.9937



27.1121, 26.8170, 13.1956



19.0156, 26.8170, 24.8781



23.9316, 26.8170, 54.6817

Rectangle

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



33.2858, 26.8170, 33.9937



31.7296, 26.8170, 18.2649



19.0156, 26.8170, 24.8781



20.1251, 26.8170, 43.8052

Sweetspot

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



33.2866, 26.8182, 33.9942



76.0577, 74.7877, 85.2532



29.3521, 24.4276, 50.1820



16.5062, 16.0678, 18.4338



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.



33.2866, 26.8182, 33.9942



55.5150, 41.5693, 54.1527



30.9669, 25.8904, 21.7791



9.7207, 9.6126, 10.9180



15.4893, 7.8269, 7.8700



0.6398, 0.3198, 0.4823

Inverse Universe

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



33.2866, 26.8182, 33.9942



55.5150, 41.5693, 54.1527



34.7669, 43.2667, 53.5329



9.7207, 9.6126, 10.9180



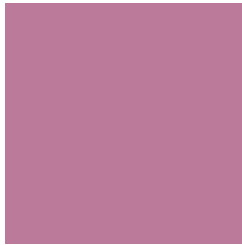
15.4893, 7.8269, 7.8700



0.6398, 0.3198, 0.4823

Previews

White Background



This preview shows how the XYZ color 33.2858, 26.8170, 33.9937 looks on a white background.

Color Contrast Check

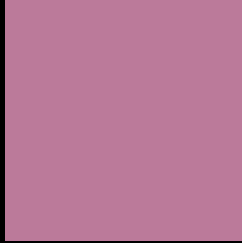
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2858, 26.8170, 33.9937 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 33.2858, 26.8170, 33.9937

Background



This preview shows how black text looks on a background with the XYZ color 33.2858, 26.8170, 33.9937.



This preview shows how white text looks on a background with the XYZ color 33.2858, 26.8170,

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

33.2858, 26.8170, 33.9937

Protanopia

26.7243, 27.1213, 39.9028

Deuteranopia

27.4369, 26.9906, 33.0418



Tritanopia

31.7144, 26.7308, 26.4097

Trichromacy



Original Color

33.2858, 26.8170, 33.9937

Protanomaly

28.5643, 26.6274, 37.8165

Deuteranomaly

29.2286, 26.6620, 33.3115

Tritanomaly

32.3398, 26.8074, 29.0610

Monochromacy



Original Color

33.2858, 26.8170, 33.9937

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.7882, 27.5030, 31.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2858, 26.8170, 33.9937 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, 122, 154)` looks like.

```
.text, #text, p{  
    color:rgb(187, 122, 154)  
}
```

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, 122, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 122, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.2858, 26.8170, 33.9937 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, 122, 154) }
```


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

```
.border{ border-color:rgb(187, 122, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 122, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 122, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 122, 154);  
box-shadow:4px 4px 4px 4px rgb(187, 122,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2858, 26.8170, 33.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 122, 154) }
```

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

```
.background{ background-color: rgb(187,  
122, 154) }
```

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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