

Converting Colors

XYZ(33.8911, 26.3127, 46.4726)

Have a look what the booklet for
XYZ(33.8911, 26.3127, 46.4726)
contains.

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Color

**XYZ(33.8911, 26.3127,
46.4726)**

Conversions

Conversions Part 1

Format	Color
Hex	B577B4
RGB	181, 119, 180
RGB Percent	71%, 47%, 71%
CMY	0.2902, 0.5333, 0.2941
CMYK	0.00, 0.34, 0.01, 0.29
HSL	301°, 30%, 59%
HSV	301°, 34%, 71%
XYZ	33.8911, 26.3127, 46.4726
YIQ	144.4920, 17.3710, 32.1150

Conversions

Conversions Part 2

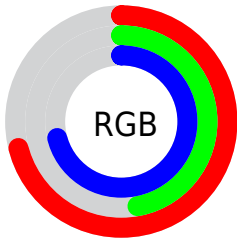
Format	Color
R_{YB}	181, 119, 180
Decimal	11892660
CIE _{Lab}	58.33, 34.16, -22.42
CIE _{LCh}	58, 40.860, 326.716
Yxy	26.3127, 0.3177, 0.2467
Android (android.graphics.Color)	4290082740 (0xFFB577B4)
YUV	144.4920, 17.5054, 32.0175
Hunter-Lab	51.2959, 28.1667, -17.8079

Details

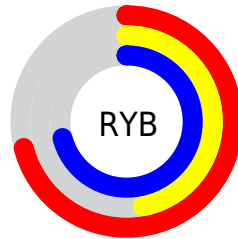
The XYZ color **33.8911, 26.3127, 46.4726** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.5229, 38.3266, 23.7180**, and the grayscale version is **26.6350, 28.0221, 30.5161**.

A 20% lighter version of the original color is **65.1527, 53.7383, 86.2955**, and **14.7113, 10.3006, 21.2915** is the 20% darker color. If you saturate the color by 10%, you get **31.9093, 22.3961, 45.6656**, and if you desaturate by 10%, it is **36.2849, 31.0521, 47.4178**.

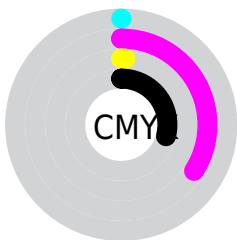
Distribution



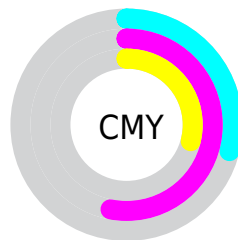
- Red (71%)
- Green (47%)
- Blue (71%)



- Red (71%)
- Yellow (47%)
- Blue (71%)



- Cyan (0%)
- Magenta (34%)
- Yellow (1%)
- Black (29%)



- Cyan (29%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8911, 26.3127, 46.4726 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 33.8911, 26.3127, 46.4726 by changing the saturation by 10% instead.

33.8911, 26.3127,
46.4726

33.8911, 26.3127,
46.4726

311.2407,
284.3137, 389.0381

22.9724, 17.0577,
32.2676

65.1097, 53.7790,
86.2676

14.6937, 10.2757,
21.2994

86.1404, 72.7591,
112.6946

8.6896, 5.5821,
13.1497

111.2724, 95.7496,
144.0327

4.5948, 2.5927,
7.3998

140.8712,
123.1351, 180.7003

2.0438, 0.9230,
3.6311

175.3020,
155.2999, 223.1162

0.6584, 0.0000,
1.4252

214.9303,

0.0000, 0.0000,

192.6283, 271.6987

0.1613

260.1214,
235.5048, 326.8665

■ 0.0000, 0.0000,
0.0000

■ 33.8911, 26.3127,
46.4726

■ 33.8911, 26.3127,
46.4726

■ 31.9093, 22.3961,
45.6656

■ 36.2849, 31.0521,
47.4178

■ 30.3135, 19.2520,
44.9873

■ 39.1097, 36.6539,
48.5067

■ 29.0789, 16.8303,
44.4297

■ 42.3862, 43.1591,
49.7465

■ 28.1768, 15.0733,
43.9833

■ 46.1334, 50.6054,
51.1434

■ 27.5739, 13.9146,
43.6369

■ 50.3687, 59.0281,
52.7034

■ 27.2301, 13.2741,
43.3772

■ 55.1092, 68.4608,
54.4321

■ 27.1003, 13.0415,
43.2506

■ 60.3706, 78.9354,
56.3348

■ 63.2948, 84.7353,
57.4586

■ 63.3251, 84.7474,
57.6182

Harmonies

Analogous

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



29.5624, 26.3127, 60.7594



33.8911, 26.3127, 46.4726



35.8297, 26.3127, 30.2484

Triad

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



33.8911, 26.3127, 46.4726



25.5615, 26.3127, 9.0764



17.3994, 26.3127, 42.8197

Complementary

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



33.8911, 26.3127, 46.4726



27.5229, 38.3266, 23.7180

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.



16.6216, 26.3127, 27.1090



33.8911, 26.3127, 46.4726



20.9497, 26.3127, 10.4819

Square

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



33.8911, 26.3127, 46.4726



30.6363, 26.3127, 11.3055



17.8332, 26.3127, 16.0897



20.1175, 26.3127, 58.2053

Rectangle

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



33.8911, 26.3127, 46.4726



35.3381, 26.3127, 21.4688



17.8332, 26.3127, 16.0897



16.9193, 26.3127, 37.2769

Sweetspot

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



33.8919, 26.3139, 46.4732



72.3412, 70.2055, 87.7470



22.5463, 20.4531, 46.4762



15.4642, 14.8339, 18.9003



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.8919, 26.3139, 46.4732



57.9918, 41.7761, 82.1336



31.1589, 25.2206, 32.0811



8.8440, 8.6443, 10.6769



18.6847, 8.9915, 29.8295



0.5898, 0.2837, 0.9484

Inverse Universe

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



33.8919, 26.3139, 46.4732



57.9918, 41.7761, 82.1336



29.6377, 39.1726, 34.8543



8.8440, 8.6443, 10.6769



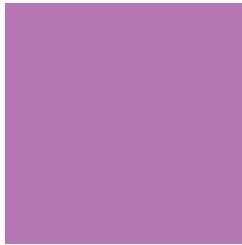
18.6847, 8.9915, 29.8295



0.5898, 0.2837, 0.9484

Previews

White Background



This preview shows how the XYZ color 33.8911, 26.3127, 46.4726 looks on a white background.

Color Contrast Check

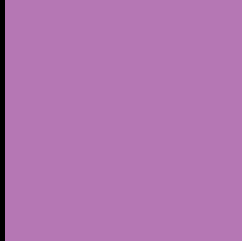
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8911, 26.3127, 46.4726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

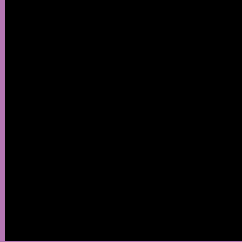
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8911, 26.3127, 46.4726

Background



This preview shows how black text looks on a background with the XYZ color 33.8911, 26.3127, 46.4726.



This preview shows how white text looks on a background with the XYZ color 33.8911, 26.3127,

46.4726.

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

33.8911, 26.3127, 46.4726

Protanopia

27.3951, 26.6905, 55.3377

Deuteranopia

27.0783, 26.5458, 44.7710



Tritanopia

29.9137, 26.3584, 27.1780

Trichromacy



Original Color

33.8911, 26.3127, 46.4726

Protanomaly

29.2226, 26.2400, 52.2398

Deuteranomaly

29.0010, 26.0823, 45.1008

Tritanomaly

31.2148, 26.3143, 33.5709

Monochromacy



Original Color

33.8911, 26.3127, 46.4726

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.6544, 26.9304, 35.5861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8911, 26.3127, 46.4726 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(181, 119, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 119, 180)  
}
```

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(181, 119, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 119, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.8911, 26.3127, 46.4726 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(181, 119, 180) }
```


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

```
.border{ border-color:rgb(181, 119, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 119, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 119, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 119, 180);  
box-shadow:4px 4px 4px 4px rgb(181, 119,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8911, 26.3127, 46.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 119, 180) }
```

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

```
.background{ background-color: rgb(181,  
119, 180) }
```

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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