

Converting Colors

XYZ(32.7855, 26.5874, 39.7968)

Have a look what the booklet for
XYZ(32.7855, 26.5874, 39.7968)
contains.

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Color

**XYZ(32.8804, 26.6592,
39.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	B47BA7
RGB	180, 123, 167
RGB Percent	71%, 48%, 65%
CMY	0.2941, 0.5176, 0.3451
CMYK	0.00, 0.32, 0.07, 0.29
HSL	314°, 28%, 59%
HSV	314°, 32%, 71%
XYZ	32.8804, 26.6592, 39.9720
YIQ	145.0590, 19.8480, 25.7680

Conversions

Conversions Part 2

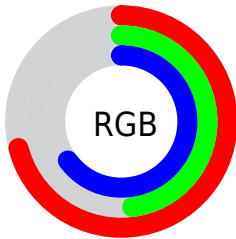
Format	Color
RYB	180, 123, 167
Decimal	11828135
CIELab	58.66, 29.20, -14.49
CIELCh	59, 32.593, 333.611
Yxy	26.6592, 0.3304, 0.2679
Android (android.graphics.Color)	4290018215 (0xFFB47BA7)
YUV	145.0590, 10.8169, 30.6433
Hunter-Lab	51.6325, 23.3146, -9.7573

Details

The XYZ color **32.8804, 26.6592, 39.9720** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.9347, 38.6319, 29.2258**, and the grayscale version is **26.8901, 28.2904, 30.8083**.

A 20% lighter version of the original color is **63.6352, 54.3291, 76.2399**, and **14.0812, 10.4385, 17.4923** is the 20% darker color. If you saturate the color by 10%, you get **30.4761, 22.4480, 37.3278**, and if you desaturate by 10%, it is **35.7089, 31.6987, 42.8177**.

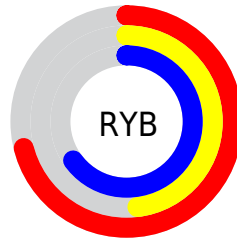
Distribution



Red (71%)

Green (48%)

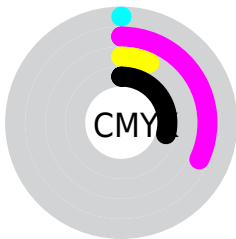
Blue (65%)



Red (71%)

Yellow (48%)

Blue (65%)

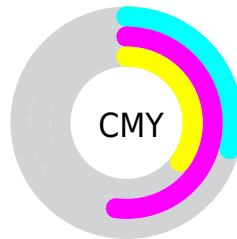


Cyan (0%)

Magenta (32%)

Yellow (7%)

Black (29%)



Cyan (29%)


Magenta (52%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8804, 26.6592, 39.9720 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 32.8804, 26.6592, 39.9720 by changing the saturation by 10% instead.


 32.8804, 26.6592,
39.9720


 32.8804, 26.6592,
39.9720


306.7850,
286.0032, 361.5541


 22.1936, 17.3174,
27.2031


 63.5447, 54.3365,
76.3575

 14.1166, 10.4611,
17.4920


 84.2529, 73.4408,
100.8112

 8.2841, 5.7057,
10.4203


 109.0324, 96.5682,
129.9968

 4.3306, 2.6670,
5.5692

138.2483,
124.1028, 164.3330

 1.8908, 0.9605,
2.5205

172.2663,
156.4293, 204.2383

 0.5715, 0.0000,
0.8510

211.4514,

 0.0000, 0.0000,

193.9319, 250.1313

0.0000

256.1692,
236.9951, 302.4303

■ 32.8804, 26.6592,
39.9720

■ 32.8804, 26.6592,
39.9720

■ 30.4761, 22.4480,
37.3278

■ 35.7089, 31.6987,
42.8177

■ 28.4709, 19.0163,
34.8752

■ 38.9802, 37.6046,
45.8706

■ 26.8409, 16.3161,
32.6061

■ 42.7145, 44.4170,
49.1384

■ 25.5583, 14.2921,
30.5106

■ 46.9301, 52.1722,
52.6277

■ 24.5918, 12.8814,
28.5777

■ 51.6444, 60.9048,
56.3448

■ 23.9036, 12.0092,
26.7942

■ 56.8738, 70.6474,
60.2957

■ 23.4788, 11.5659,
25.4001

■ 62.6340, 81.4314,
64.4861

■ 64.9899, 85.3863,
67.6047

■ 65.4758, 85.5807,
70.1636

Harmonies

Analogous

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



29.8441, 26.6592, 51.5355



32.8804, 26.6592, 39.9720



33.8256, 26.6592, 27.6605

Triad

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



32.8804, 26.6592, 39.9720



24.8569, 26.6592, 12.1138



19.4524, 26.6592, 43.0240

Complementary

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



32.8804, 26.6592, 39.9720



28.9347, 38.6319, 29.2258

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.



18.4054, 26.6592, 30.4384



32.8804, 26.6592, 39.9720



21.3113, 26.6592, 14.2640

Square

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



32.8804, 26.6592, 39.9720



28.9171, 26.6592, 13.4166



19.0487, 26.6592, 20.2886



22.0685, 26.6592, 53.5987

Rectangle

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



32.8804, 26.6592, 39.9720



33.0684, 26.6592, 21.0611



19.0487, 26.6592, 20.2886



18.9186, 26.6592, 38.7849

Sweetspot

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



32.8812, 26.6604, 39.9726



72.2983, 71.1286, 84.6228



25.3704, 22.6425, 46.2138



15.4245, 15.0065, 18.1099



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.



32.8812, 26.6604, 39.9726



56.4953, 42.8520, 69.0907



30.5775, 25.7389, 27.8413



8.7654, 8.6129, 10.2633



16.4130, 8.0828, 17.8667



0.5368, 0.2625, 0.6695

Inverse Universe

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



32.8812, 26.6604, 39.9726



56.4953, 42.8520, 69.0907



31.1779, 39.5292, 41.0385



8.7654, 8.6129, 10.2633



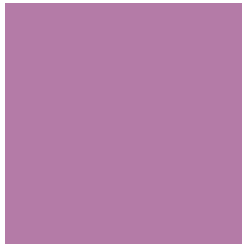
16.4130, 8.0828, 17.8667



0.5368, 0.2625, 0.6695

Previews

White Background



This preview shows how the XYZ color 32.8804, 26.6592, 39.9720 looks on a white background.

Color Contrast Check

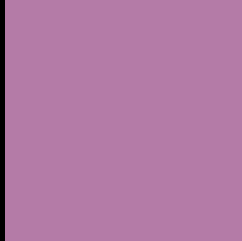
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8804, 26.6592, 39.9720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

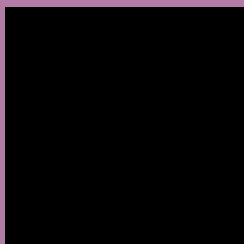
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8804, 26.6592, 39.9720

Background



This preview shows how black text looks on a background with the XYZ color 32.8804, 26.6592, 39.9720.



This preview shows how white text looks on a background with the XYZ color 32.8804, 26.6592,

39.9720.

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

32.8804, 26.6592, 39.9720

Protanopia

27.0305, 26.9164, 46.4185

Deuteranopia

27.2909, 26.7866, 38.8539



Tritanopia

30.2111, 26.5034, 27.5681

Trichromacy



Original Color

32.8804, 26.6592, 39.9720

Protanomaly

28.6574, 26.5349, 44.1688

Deuteranomaly

29.0837, 26.6598, 39.2103

Tritanomaly

31.0171, 26.4387, 31.9022

Monochromacy



Original Color

32.8804, 26.6592, 39.9720

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.7960, 27.4603, 33.9197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8804, 26.6592, 39.9720 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(180, 123, 167)` looks like.

```
.text, #text, p{  
    color:rgb(180, 123, 167)  
}
```

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(180, 123, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 123, 167) }
```

Border

The CSS property to change the border of an element to XYZ 32.8804, 26.6592, 39.9720 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(180, 123, 167) }
```


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

```
.border{ border-color:rgb(180, 123, 167) }
```

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

Here you see how a box with a 4 pixel rgb(180, 123, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 123, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 123, 167);  
box-shadow:4px 4px 4px 4px rgb(180, 123,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8804, 26.6592, 39.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 123, 167) }
```

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

```
.background{ background-color: rgb(180,  
123, 167) }
```

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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