

Converting Colors

XYZ(33.2778, 26.4670, 41.4332)

Have a look what the booklet for
XYZ(33.2778, 26.4670, 41.4332)
contains.

XYZ(33.3845, 26.5221, 41.3899)	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(33.3845, 26.5221,
41.3899)**

Conversions

Conversions Part 1

Format	Color
Hex	B679AA
RGB	182, 121, 170
RGB Percent	71%, 47%, 67%
CMY	0.2863, 0.5255, 0.3333
CMYK	0.00, 0.34, 0.07, 0.29
HSL	312°, 29%, 59%
HSV	312°, 34%, 71%
XYZ	33.3845, 26.5221, 41.3899
YIQ	144.8250, 20.6270, 28.1710

Conversions

Conversions Part 2

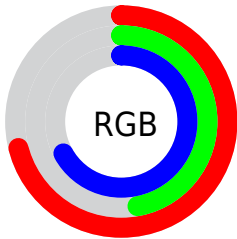
Format	Color
RYB	182, 121, 170
Decimal	11958698
CIELab	58.53, 31.53, -16.38
CIELCh	59, 35.535, 332.549
Yxy	26.5221, 0.3296, 0.2618
Android (android.graphics.Color)	4290148778 (0xFFB679AA)
YUV	144.8250, 12.4113, 32.6025
Hunter-Lab	51.4996, 25.5879, -11.6013

Details

The XYZ color **33.3845, 26.5221, 41.3899** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8479, 39.2152, 28.2408**, and the grayscale version is **26.7887, 28.1838, 30.6922**.

A 20% lighter version of the original color is **64.3233, 54.0591, 78.2784**, and **14.4253, 10.4037, 18.3874** is the 20% darker color. If you saturate the color by 10%, you get **31.0440, 22.3754, 38.9614**, and if you desaturate by 10%, it is **36.1531, 31.5094, 44.0072**.

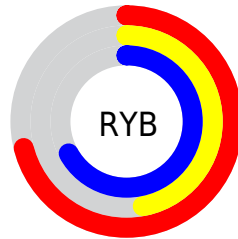
Distribution



Red (71%)

Green (47%)

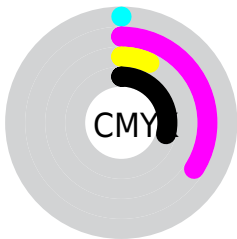
Blue (67%)



Red (71%)

Yellow (47%)

Blue (67%)

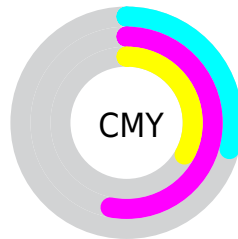


Cyan (0%)

Magenta (34%)

Yellow (7%)

Black (29%)



Cyan (29%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3845, 26.5221, 41.3899 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 33.3845, 26.5221, 41.3899 by changing the saturation by 10% instead.

■ 33.3845, 26.5221,
41.3899

■ 33.3845, 26.5221,
41.3899

309.0132,
285.3357, 367.6723

■ 22.5818, 17.2146,
28.3019

■ 64.3260, 54.1160,
78.5355

■ 14.4040, 10.3876,
18.3123

■ 85.1956, 73.1713,
103.4302

■ 8.4858, 5.6567,
11.0027

■ 110.1515, 96.2446,
133.0975

■ 4.4617, 2.6375,
5.9545

139.5590,
123.7203, 167.9560

■ 1.9665, 0.9455,
2.7491

173.7836,
155.9829, 208.4241

■ 0.6151, 0.0000,
0.9680

213.1906,

■ 0.0000, 0.0000,

193.4168, 254.9206

0.0000

258.1454,
236.4062, 307.8638

■ 33.3845, 26.5221,
41.3899

■ 33.3845, 26.5221,
41.3899

■ 31.0440, 22.3754,
38.9614

■ 36.1531, 31.5094,
44.0072

■ 29.1055, 19.0186,
36.7118

■ 39.3692, 37.3770,
46.8192

■ 27.5441, 16.4012,
34.6327


■ 43.0537, 44.1667,
49.8336


■ 26.3305, 14.4652,
32.7140


■ 47.2257, 51.9162,
53.0571


■ 25.4315, 13.1441,
30.9443


■ 51.9031, 60.6613,
56.4959


 24.8071, 12.3579,
29.3097

 57.1030, 70.4359,
60.1562

 24.4951, 12.0266,
28.3038

 62.8414, 81.2724,
64.0436

 65.3194, 85.5723,
66.8920

 65.7392, 85.7402,
69.1026

Harmonies

Analogous

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



29.9824, 26.5221, 54.1459



33.3845, 26.5221, 41.3899



34.5231, 26.5221, 27.8254

Triad

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



33.3845, 26.5221, 41.3899



24.8382, 26.5221, 10.9473



18.7941, 26.5221, 43.7809

Complementary

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



33.3845, 26.5221, 41.3899



28.8479, 39.2152, 28.2408

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.



17.7409, 26.5221, 29.9569



33.3845, 26.5221, 41.3899



20.9702, 26.5221, 13.0251

Square

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



33.3845, 26.5221, 41.3899



29.2647, 26.5221, 12.4083



18.4898, 26.5221, 19.1820



21.5455, 26.5221, 55.7825

Rectangle

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



33.3845, 26.5221, 41.3899



33.7504, 26.5221, 20.6306



18.4898, 26.5221, 19.1820



18.2450, 26.5221, 39.0741

Sweetspot

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



33.3853, 26.5233, 41.3905



73.5134, 71.6918, 86.6685



24.8265, 21.9738, 47.1895



16.0364, 15.4659, 18.9760



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.3853, 26.5233, 41.3905



57.4101, 42.5503, 71.8517



30.8868, 25.5239, 28.2335



9.3031, 9.1316, 10.9438



17.3217, 8.5024, 20.1126



0.6303, 0.3076, 0.8124

Inverse Universe

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



33.3853, 26.5233, 41.3905



57.4101, 42.5503, 71.8517



31.1966, 40.1547, 40.6091



9.3031, 9.1316, 10.9438



17.3217, 8.5024, 20.1126



0.6303, 0.3076, 0.8124

Previews

White Background



This preview shows how the XYZ color 33.3845, 26.5221, 41.3899 looks on a white background.

Color Contrast Check

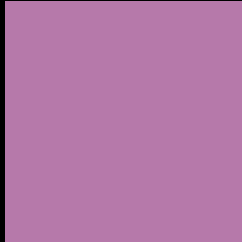
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3845, 26.5221, 41.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

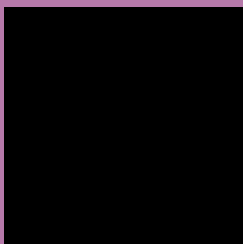
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3845, 26.5221, 41.3899

Background



This preview shows how black text looks on a background with the XYZ color 33.3845, 26.5221, 41.3899.



This preview shows how white text looks on a background with the XYZ color 33.3845, 26.5221,

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

33.3845, 26.5221, 41.3899

Protanopia

27.1312, 26.9209, 48.5660

Deuteranopia

27.2189, 26.7178, 40.2817



Tritanopia

30.4648, 26.4499, 27.1666

Trichromacy



Original Color

33.3845, 26.5221, 41.3899

Protanomaly

28.8178, 26.3790, 45.6923

Deuteranomaly

29.2238, 26.4978, 40.6201

Tritanomaly

31.3488, 26.4209, 31.8812

Monochromacy



Original Color

33.3845, 26.5221, 41.3899

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.7374, 27.2105, 34.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3845, 26.5221, 41.3899 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(182, 121, 170)` looks like.

```
.text, #text, p{  
    color:rgb(182, 121, 170)  
}
```

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(182, 121, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 121, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.3845, 26.5221, 41.3899 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(182, 121, 170) }
```


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

```
.border{ border-color:rgb(182, 121, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 121, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 121, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 121, 170);  
box-shadow:4px 4px 4px 4px rgb(182, 121,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3845, 26.5221, 41.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 121, 170) }
```

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

```
.background{ background-color: rgb(182,  
121, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor