

Converting Colors

XYZ(33.9209, 26.9931, 41.1521)

Have a look what the booklet for
XYZ(33.9209, 26.9931, 41.1521)
contains.

XYZ(33.8881, 26.9740, 40.9565)	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(33.8881, 26.9740,
40.9565)**

Conversions

Conversions Part 1

Format	Color
Hex	B87AA9
RGB	184, 122, 169
RGB Percent	72%, 48%, 66%
CMY	0.2784, 0.5216, 0.3373
CMYK	0.00, 0.34, 0.08, 0.28
HSL	315°, 30%, 60%
HSV	315°, 34%, 72%
XYZ	33.8881, 26.9740, 40.9565
YIQ	145.8960, 21.8650, 27.7610

Conversions

Conversions Part 2

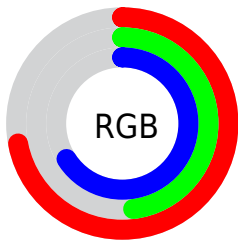
Format	Color
RYB	184, 122, 169
Decimal	12090025
CIELab	58.95, 31.48, -15.15
CIELCh	59, 34.939, 334.307
Yxy	26.9740, 0.3328, 0.2649
Android (android.graphics.Color)	4290280105 (0xFFB87AA9)
YUV	145.8960, 11.3903, 33.4172
Hunter-Lab	51.9365, 25.5808, -10.3998

Details

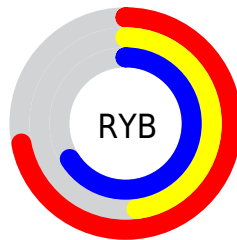
The XYZ color **33.8881, 26.9740, 40.9565** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.6830, 40.2255, 29.8685**, and the grayscale version is **27.2283, 28.6463, 31.1958**.

A 20% lighter version of the original color is **65.0601, 54.7425, 77.6583**, and **14.7342, 10.6649, 18.1116** is the 20% darker color. If you saturate the color by 10%, you get **31.4285, 22.7118, 38.1097**, and if you desaturate by 10%, it is **36.7914, 32.0998, 44.0219**.

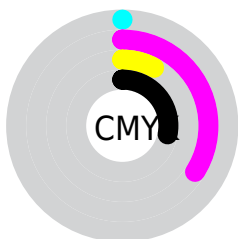
Distribution



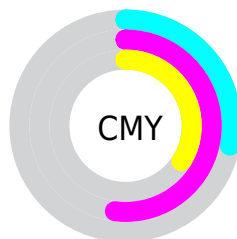
- Red (72%)
- Green (48%)
- Blue (66%)



- Red (72%)
- Yellow (48%)
- Blue (66%)



- Cyan (0%)
- Magenta (34%)
- Yellow (8%)
- Black (28%)




- Cyan (28%)
- Magenta (52%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8881, 26.9740, 40.9565 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 33.8881, 26.9740, 40.9565 by changing the saturation by 10% instead.


 33.8881, 26.9740,
40.9565


 33.8881, 26.9740,
40.9565


311.2275,
287.5312, 365.8100


 22.9701, 17.5537,
27.9657


 65.1051, 54.8421,
77.8708

 14.6920, 10.6300,
18.0610


 86.1348, 74.0588,
102.6313

 8.6884, 5.8187,
10.8239


 111.2658, 97.3096,
132.1522

 4.5940, 2.7351,
5.8358

140.8634,
124.9791, 166.8519

 2.0434, 0.9951,
2.6783

175.2930,
157.4516, 207.1490

 0.6581, 0.0000,
0.9325

214.9200,

 0.0000, 0.0000,

195.1115, 253.4620

0.0000

260.1097,
238.3433, 306.2095

■ 33.8881, 26.9740,
40.9565

■ 33.8881, 26.9740,
40.9565

■ 31.4285, 22.7118,
38.1097

■ 36.7914, 32.0998,
44.0219

■ 29.3856, 19.2611,
35.4711

■ 40.1582, 38.1301,
47.3125

■ 27.7336, 16.5698,
33.0317


■ 44.0103, 45.1078,
50.8364


■ 26.4425, 14.5782,
30.7806


■ 48.3674, 53.0719,
54.6009


■ 25.4779, 13.2177,
28.7058


■ 53.2478, 62.0591,
58.6127


 24.7983, 12.4056,
26.7927

 58.6691, 72.1043,
62.8783

 24.4628, 12.0686,
25.6512

 64.6482, 83.2409,
67.4039

 66.5005, 86.0997,
70.6288

 67.0444, 86.3172,
73.4930

Harmonies

Analogous

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



30.6180, 26.9740, 53.7707



33.8881, 26.9740, 40.9565



34.8595, 26.9740, 27.6170

Triad

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



33.8881, 26.9740, 40.9565



25.0183, 26.9740, 11.4437



19.3624, 26.9740, 44.9475

Complementary

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



33.8881, 26.9740, 40.9565



29.6830, 40.2255, 29.8685

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.



18.2056, 26.9740, 31.1958



33.8881, 26.9740, 40.9565



21.2295, 26.9740, 13.7594

Square

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



33.8881, 26.9740, 40.9565



29.4161, 26.9740, 12.7082



18.8489, 26.9740, 20.2051



22.1981, 26.9740, 56.4929

Rectangle

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



33.8881, 26.9740, 40.9565



33.9906, 26.9740, 20.6148



18.8489, 26.9740, 20.2051



18.7797, 26.9740, 40.3081

Sweetspot

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



33.8889, 26.9752, 40.9571



75.1571, 73.3811, 87.9697



25.8418, 22.6546, 48.3586



15.9983, 15.4507, 18.7752



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.



33.8889, 26.9752, 40.9571



58.2391, 43.3487, 70.6040



31.3538, 25.9612, 27.6075



9.2855, 9.1246, 10.8510



16.8883, 8.3291, 17.8305



0.6181, 0.3027, 0.7482

Inverse Universe

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



33.8889, 26.9752, 40.9571



58.2391, 43.3487, 70.6040



32.1858, 41.2266, 43.0478



9.2855, 9.1246, 10.8510



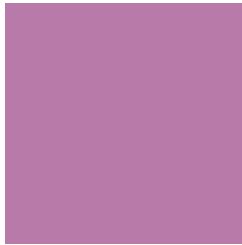
16.8883, 8.3291, 17.8305



0.6181, 0.3027, 0.7482

Previews

White Background



This preview shows how the XYZ color 33.8881, 26.9740, 40.9565 looks on a white background.

Color Contrast Check

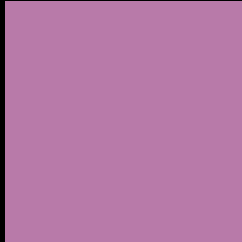
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8881, 26.9740, 40.9565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

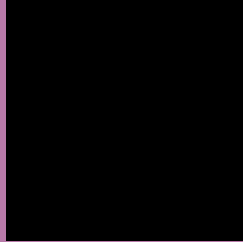
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8881, 26.9740, 40.9565

Background



This preview shows how black text looks on a background with the XYZ color 33.8881, 26.9740, 40.9565.



This preview shows how white text looks on a background with the XYZ color 33.8881, 26.9740,

40.9565.

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

33.8881, 26.9740, 40.9565

Protanopia

27.4841, 27.3327, 48.0831

Deuteranopia

27.7926, 27.2382, 39.8691



Tritanopia

31.1290, 26.9766, 27.6111

Trichromacy



Original Color

33.8881, 26.9740, 40.9565

Protanomaly

29.2234, 26.8038, 45.2284

Deuteranomaly

29.6607, 26.9360, 40.1951

Tritanomaly

31.9417, 26.9154, 31.9454

Monochromacy



Original Color

33.8881, 26.9740, 40.9565

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.2756, 27.6980, 34.3751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8881, 26.9740, 40.9565 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(184, 122, 169)` looks like.

```
.text, #text, p{  
    color:rgb(184, 122, 169)  
}
```

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(184, 122, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 122, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.8881, 26.9740, 40.9565 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(184, 122, 169) }
```


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

```
.border{ border-color:rgb(184, 122, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 122, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 122, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 122, 169);  
box-shadow:4px 4px 4px 4px rgb(184, 122,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8881, 26.9740, 40.9565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 122, 169) }
```

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

```
.background{ background-color: rgb(184,  
122, 169) }
```

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