

Converting Colors

XYZ(33.3564, 26.4267, 44.2337)

Have a look what the booklet for
XYZ(33.3564, 26.4267, 44.2337)
contains.

XYZ(33.4962, 26.5126, 44.4263) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 28**

***CSS Examples* 31**

Color

**XYZ(33.4962, 26.5126,
44.4263)**

Conversions

Conversions Part 1	
Format	Color
Hex	B479B0
RGB	180, 121, 176
RGB Percent	71%, 47%, 69%
CMY	0.2941, 0.5255, 0.3098
CMYK	0.00, 0.33, 0.02, 0.29
HSL	304°, 28%, 59%
HSV	304°, 33%, 71%
XYZ	33.4962, 26.5126, 44.4263
YIQ	144.9110, 17.5090, 29.6130

Conversions

Conversions Part 2

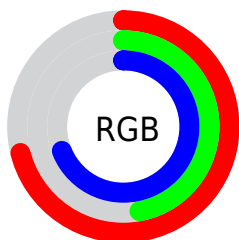
Format	Color
RYB	180, 121, 176
Decimal	11827632
CIELab	58.52, 31.97, -19.86
CIELCh	59, 37.630, 328.153
Yxy	26.5126, 0.3207, 0.2539
Android (android.graphics.Color)	4290017712 (0xFFB479B0)
YUV	144.9110, 15.3269, 30.7731
Hunter-Lab	51.4904, 26.0120, -15.1126

Details

The XYZ color **33.4962, 26.5126, 44.4263** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.9091, 38.1889, 25.3037**, and the grayscale version is **26.8130, 28.2094, 30.7200**.

A 20% lighter version of the original color is **64.6266, 54.1028, 83.3806**, and **14.4326, 10.3722, 19.9802** is the 20% darker color. If you saturate the color by 10%, you get **31.3896, 22.4912, 43.1312**, and if you desaturate by 10%, it is **36.0137, 31.3530, 45.8643**.

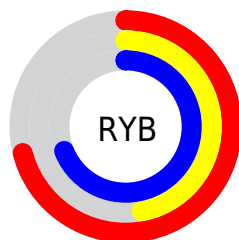
Distribution



Red (71%)

Green (47%)

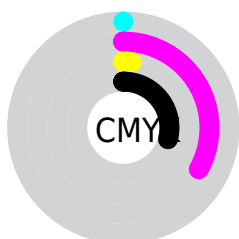
Blue (69%)



Red (71%)

Yellow (47%)

Blue (69%)

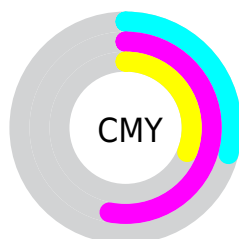


Cyan (0%)

Magenta (33%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (53%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4962, 26.5126, 44.4263 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 33.4962, 26.5126, 44.4263 by changing the saturation by 10% instead.


 33.4962, 26.5126,
44.4263


 33.4962, 26.5126,
44.4263


309.5053,
285.2894, 380.5372


 22.6679, 17.2075,
30.6661


 64.4990, 54.1007,
83.1681

 14.4678, 10.3826,
20.0884


 85.4041, 73.1526,
108.9869

 8.5306, 5.6533,
12.2746


 110.3989, 96.2222,
139.6623

 4.4910, 2.6355,
6.8062

139.8488,
123.6938, 175.6128

 1.9835, 0.9445,
3.2646

174.1190,
155.9520, 217.2570

 0.6246, 0.0000,
1.2313


213.5749,


 0.0000, 0.0000,


193.3810, 265.0135


0.0044


258.5819,
236.3654, 319.3007


 0.0000, 0.0000,
0.0000

 33.4962, 26.5126,
44.4263


 33.4962, 26.5126,
44.4263


 31.3896, 22.4912,
43.1312


 36.0137, 31.3530,
45.8643


 29.6685, 19.2399,
41.9697

 38.9606, 37.0509,
47.4505


 28.3090, 16.7098,
40.9340


 42.3573, 43.6466,
49.1920


 27.2831, 14.8452,
40.0149


 46.2220, 51.1767,
51.0949


 26.5588, 13.5820,
39.2016


 50.5722, 59.6759,
53.1651


 26.0978, 12.8438,
38.4813

 55.4242, 69.1770,
55.4079

 25.8715, 12.5230,
37.9999

 60.7937, 79.7114,
57.8287

 63.4205, 84.7586,
59.3407

 63.5507, 84.8106,
60.0260

Harmonies

Analogous

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



29.6134, 26.5126, 57.5034



33.4962, 26.5126, 44.4263



35.1283, 26.5126, 29.6931

Triad

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



33.4962, 26.5126, 44.4263



25.4860, 26.5126, 10.2134



18.1695, 26.5126, 42.5652

Complementary

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



33.4962, 26.5126, 44.4263



27.9091, 38.1889, 25.3037

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.



17.3435, 26.5126, 28.0578



33.4962, 26.5126, 44.4263



21.2474, 26.5126, 11.7820

Square

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



33.4962, 26.5126, 44.4263



30.1675, 26.5126, 12.2376



18.4000, 26.5126, 17.4458



20.8092, 26.5126, 56.2187

Rectangle

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



33.4962, 26.5126, 44.4263



34.5868, 26.5126, 21.6645



18.4000, 26.5126, 17.4458



17.6858, 26.5126, 37.5130

Sweetspot

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



33.4970, 26.5138, 44.4269



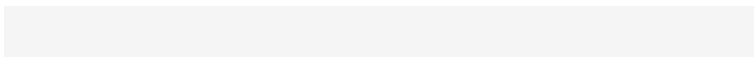
72.1674, 70.1360, 86.8317



23.5245, 21.3263, 46.0571



15.4216, 14.8169, 18.6757



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.



33.4970, 26.5138, 44.4269



58.0261, 42.8944, 78.9087



30.8932, 25.4722, 30.7153



8.8247, 8.6366, 10.5751



18.0665, 8.7442, 26.5738



0.5758, 0.2781, 0.8750

Inverse Universe

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



33.4970, 26.5138, 44.4269



58.0261, 42.8944, 78.9087



30.0763, 39.0558, 36.7158



8.8247, 8.6366, 10.5751



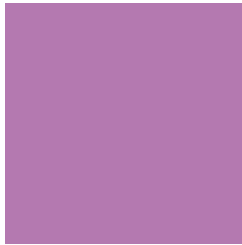
18.0665, 8.7442, 26.5738



0.5758, 0.2781, 0.8750

Previews

White Background



This preview shows how the XYZ color 33.4962, 26.5126, 44.4263 looks on a white background.

Color Contrast Check

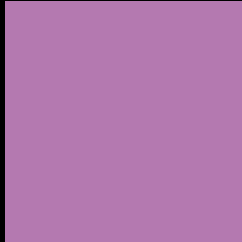
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4962, 26.5126, 44.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

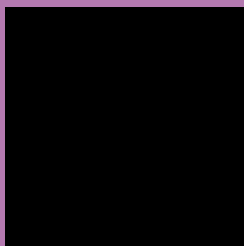
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4962, 26.5126, 44.4263

Background



This preview shows how black text looks on a background with the XYZ color 33.4962, 26.5126, 44.4263.



This preview shows how white text looks on a background with the XYZ color 33.4962, 26.5126,

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

33.4962, 26.5126, 44.4263

Protanopia

27.1703, 26.6514, 51.8563

Deuteranopia

27.2788, 26.6831, 43.2478



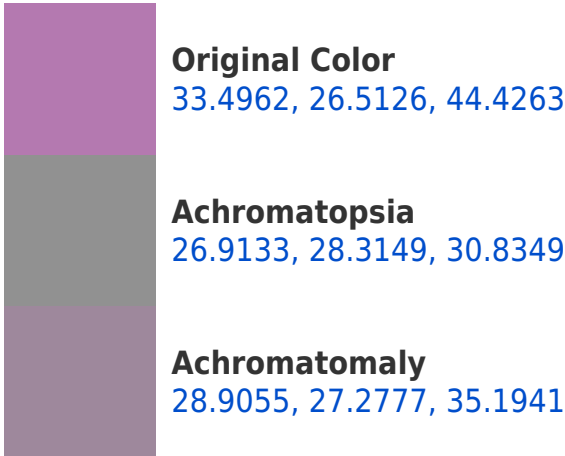
Tritanopia

29.9858, 26.3873, 27.5576

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4962, 26.5126, 44.4263 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, 121, 176)` looks like.

```
.text, #text, p{  
    color:rgb(180, 121, 176)  
}
```

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, 121, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 121, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.4962, 26.5126, 44.4263 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, 121, 176) }
```


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

```
.border{ border-color:rgb(180, 121, 176) }
```

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

Here you see how a box with a 4 pixel rgb(180, 121, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 121, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 121, 176);  
box-shadow:4px 4px 4px 4px rgb(180, 121,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4962, 26.5126, 44.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 121, 176) }
```

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

```
.background{ background-color: rgb(180,  
121, 176) }
```

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