

# Converting Colors

XYZ(31.0275, 26.1568, 40.0684)

Have a look what the booklet for  
XYZ(31.0275, 26.1568, 40.0684)  
contains.

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# Color

**XYZ(30.8862, 26.0033,  
39.9505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA7DA7
RGB	170, 125, 167
RGB Percent	67%, 49%, 65%
CMY	0.3333, 0.5098, 0.3451
CMYK	0.00, 0.26, 0.02, 0.33
HSL	304°, 21%, 58%
HSV	304°, 26%, 67%
XYZ	30.8862, 26.0033, 39.9505
YIQ	143.2430, 13.3380, 22.6020

# Conversions

## Conversions Part 2

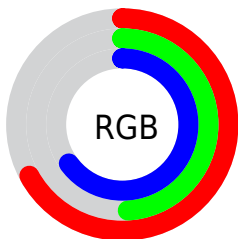
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	170, 125, 167
Decimal	11173287
CIE Lab	58.04, 24.61, -15.53
CIE LCh	58, 29.101, 327.758
Yxy	26.0033, 0.3189, 0.2685
Android (android.graphics.Color)	4289363367 (0xFFAA7DA7)
YUV	143.2430, 11.7122, 23.4659
Hunter-Lab	50.9934, 18.8771, -10.7550

# Details

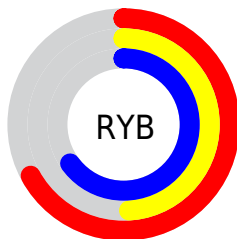
The XYZ color **30.8862, 26.0033, 39.9505** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.7295, 34.6687, 25.7064**, and the grayscale version is **26.1571, 27.5193, 29.9685**.

A 20% lighter version of the original color is **60.4692, 53.2835, 76.2049**, and **12.9467, 10.0519, 17.4775** is the 20% darker color. If you saturate the color by 10%, you get **28.8115, 22.0204, 38.7445**, and if you desaturate by 10%, it is **33.3318, 30.7255, 41.2852**.

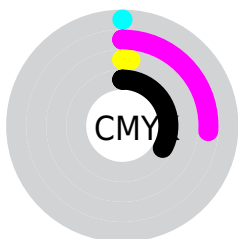
# Distribution



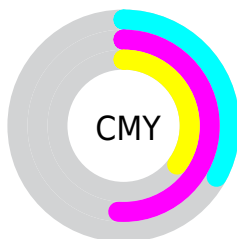
- Red (67%)
- Green (49%)
- Blue (65%)



- Red (67%)
- Yellow (49%)
- Blue (65%)



- Cyan (0%)
- Magenta (26%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (51%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8862, 26.0033, 39.9505 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 30.8862, 26.0033, 39.9505 by changing the saturation by 10% instead.



30.8862, 26.0033,  
39.9505

30.8862, 26.0033,  
39.9505

297.8500,  
282.7983, 361.4608

20.6636, 16.8261,  
27.1865

60.4379, 53.2803,  
76.3244

12.9894, 10.1106,  
17.4796

80.4978, 72.1488,  
100.7713

7.4982, 5.4723,  
10.4115

104.5674, 95.0167,  
129.9496

3.8247, 2.5270,  
5.5635

133.0122,  
122.2681, 164.2779

1.6034, 0.8901,  
2.5171

166.1975,  
154.2876, 204.1746

0.3946, 0.0000,  
0.8492

204.4886,

0.0000, 0.0000,

191.4595, 250.0582

0.0000

248.2510,  
234.1683, 302.3475

■ 30.8862, 26.0033,  
39.9505

■ 30.8862, 26.0033,  
39.9505

■ 28.8115, 22.0204,  
38.7445

■ 33.3318, 30.7255,  
41.2852

■ 27.0865, 18.7359,  
37.6593

■ 36.1632, 36.2185,  
42.7529

■ 25.6916, 16.1101,  
36.6886

■ 39.3976, 42.5160,  
44.3594

■ 24.6043, 14.0980,  
35.8249

■ 43.0504, 49.6487,  
46.1099

■ 23.7992, 12.6490,  
35.0598

■ 47.1362, 57.6458,  
48.0093

■ 23.2469, 11.7042,  
34.3835

■ 51.6687, 66.5350,  
50.0623

■ 22.9067, 11.1820,  
33.7823

■ 56.6613, 76.3429,  
52.2732

■ 22.8069, 11.0378,  
33.5778

■ 60.1810, 83.2034,  
53.9977

■ 60.2937, 83.2485,  
54.5912

# Harmonies

## Analogous

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



27.9998, 26.0033, 49.1369



30.8862, 26.0033, 39.9505



32.1054, 26.0033, 29.0774

# Triad

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



30.8862, 26.0033, 39.9505



24.9808, 26.0033, 13.0376



19.2022, 26.0033, 38.3226

# Complementary

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



30.8862, 26.0033, 39.9505



26.7295, 34.6687, 25.7064

# 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.



18.5564, 26.0033, 27.5624



30.8862, 26.0033, 39.9505



21.6983, 26.0033, 14.4026

# Square

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



30.8862, 26.0033, 39.9505



28.5006, 26.0033, 14.8907



19.4266, 26.0033, 19.1885



21.2810, 26.0033, 48.0511



# Rectangle

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



30.8862, 26.0033, 39.9505



31.7296, 26.0033, 22.8086



19.4266, 26.0033, 19.1885



18.8195, 26.0033, 34.6390

# Sweetspot

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



30.8870, 26.0044, 39.9511



64.7022, 63.9429, 77.1061



23.4926, 22.1601, 41.0698



14.2535, 13.9190, 17.1051



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



30.8870, 26.0044, 39.9511



53.6616, 42.6093, 71.1215



28.9844, 25.2434, 29.9323



7.8200, 7.6579, 9.3693



16.7849, 8.1227, 24.7428



0.4146, 0.2001, 0.6347



# Inverse Universe

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



30.8870, 26.0044, 39.9511



53.6616, 42.6093, 71.1215



28.3785, 35.3283, 34.3900



7.8200, 7.6579, 9.3693



16.7849, 8.1227, 24.7428

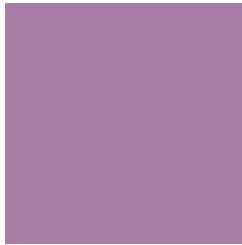


0.4146, 0.2001, 0.6347



# Previews

## White Background



This preview shows how the XYZ color 30.8862, 26.0033, 39.9505 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 30.8862, 26.0033, 39.9505 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 30.8862, 26.0033, 39.9505**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8862, 26.0033, 39.9505.



This preview shows how white text looks on a background with the XYZ color 30.8862, 26.0033,



# 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

30.8862, 26.0033, 39.9505

### Protanopia

26.1309, 26.0574, 44.7266

### Deuteranopia

26.5802, 25.9877, 39.2125



## Tritanopia

28.4421, 25.9657, 28.3238

# Trichromacy



## Original Color

30.8862, 26.0033, 39.9505

## Protanomaly

27.6074, 25.8119, 43.0623

## Deuteranomaly

28.0831, 25.9311, 39.6015

## Tritanomaly

29.1605, 25.8558, 32.3079

# Monochromacy



## Original Color

30.8862, 26.0033, 39.9505

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

27.6085, 26.6476, 33.3941

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8862, 26.0033, 39.9505 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(170, 125, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 125, 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(170, 125, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 125, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8862, 26.0033, 39.9505 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(170, 125, 167) }
```



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

```
.border{ border-color:rgb(170, 125, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 125, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 125, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 125, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 125,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8862, 26.0033, 39.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 125, 167) }
```

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

```
.background{ background-color: rgb(170,  
125, 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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