

# Converting Colors

XYZ(34.0570, 27.8467, 52.2824)

Have a look what the booklet for  
XYZ(34.0570, 27.8467, 52.2824)  
contains.

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# Color

**XYZ(34.0267, 27.9267,  
52.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC80BE
RGB	172, 128, 190
RGB Percent	67%, 50%, 75%
CMY	0.3255, 0.4980, 0.2549
CMYK	0.09, 0.33, 0.00, 0.25
HSL	283°, 32%, 62%
HSV	283°, 33%, 75%
XYZ	34.0267, 27.9267, 52.3122
YIQ	148.2240, 6.3220, 28.6100

# Conversions

## Conversions Part 2

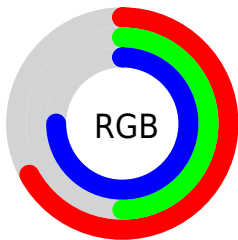
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 128, 190
Decimal	11305150
CIE <sub>Lab</sub>	59.82, 28.21, -25.91
CIE <sub>LCh</sub>	60, 38.305, 317.426
Yxy	27.9267, 0.2978, 0.2444
Android (android.graphics.Color)	4289495230 (0xFFAC80BE)
YUV	148.2240, 20.5956, 20.8516
Hunter-Lab	52.8457, 22.4539, -21.6994

# Details

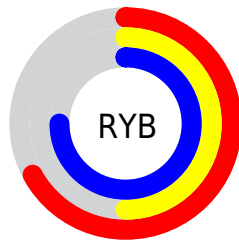
The XYZ color **34.0267, 27.9267, 52.3122** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.1647, 44.4971, 27.2115**, and the grayscale version is **28.1574, 29.6238, 32.2603**.

A 20% lighter version of the original color is **65.1533, 56.1955, 94.6017**, and **14.7761, 11.1483, 24.6656** is the 20% darker color. If you saturate the color by 10%, you get **30.5912, 22.8153, 51.5071**, and if you desaturate by 10%, it is **37.9783, 33.9944, 53.2755**.

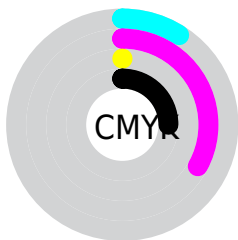
# Distribution



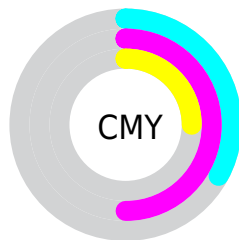
- Red (67%)
- Green (50%)
- Blue (75%)



- Red (67%)
- Yellow (50%)
- Blue (75%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (50%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0267, 27.9267, 52.3122 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 34.0267, 27.9267, 52.3122 by changing the saturation by 10% instead.



34.0267, 27.9267,  
52.3122

34.0267, 27.9267,  
52.3122

311.8349,  
292.1165, 412.6319

23.0771, 18.2704,  
36.8700

65.3192, 56.3674,  
95.0228

14.7715, 11.1443,  
24.8119

86.3928, 75.9206,  
123.1283

8.7444, 6.1640,  
15.7192

111.5718, 99.5415,  
156.2919

4.6306, 2.9450,  
9.1735

141.2215,  
127.6146, 194.9323

2.0647, 1.1031,  
4.7562

175.7073,  
160.5243, 239.4680

0.6699, 0.0000,  
2.0487

215.3946,

0.0000, 0.0000,

198.6549, 290.3174

0.5850

260.6487,  
242.3908, 347.8992

■ 0.0000, 0.0000,  
0.0000

■ 34.0267, 27.9267,  
52.3122

■ 34.0267, 27.9267,  
52.3122

■ 30.5912, 22.8153,  
51.5071

■ 37.9783, 33.9944,  
53.2755

■ 27.6426, 18.6045,  
50.8498

■ 42.4678, 41.0630,  
54.4033

■ 25.1525, 15.2381,  
50.3312

■ 47.5189, 49.1787,  
55.7036

■ 23.0886, 12.6521,  
49.9408

■ 53.1533, 58.3835,  
57.1833

■ 21.4136, 10.7729,  
49.6664

■ 59.3911, 68.7172,  
58.8491

■ 20.0830, 9.5127,  
49.4933

■ 66.2517, 80.2176,  
60.7074

■ 19.2602, 8.8553,  
49.4098

■ 71.8080, 89.0298,  
62.1154

■ 73.4119, 89.8566,  
62.1905

■ 75.0705, 90.7116,  
62.2681

# Harmonies

## Analogous

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



29.4378, 27.9267, 63.7036



34.0267, 27.9267, 52.3122



36.7345, 27.9267, 36.6052

# Triad

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



34.0267, 27.9267, 52.3122



28.6275, 27.9267, 11.0689



18.5975, 27.9267, 39.1353

# Complementary

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



34.0267, 27.9267, 52.3122



34.1647, 44.4971, 27.2115

# 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.



18.4366, 27.9267, 24.9520



34.0267, 27.9267, 52.3122



23.8454, 27.9267, 11.3702

# Square

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



34.0267, 27.9267, 52.3122



33.3715, 27.9267, 14.6656



20.2467, 27.9267, 15.6720



20.7168, 27.9267, 54.6437



# Rectangle

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



34.0267, 27.9267, 52.3122



36.9155, 27.9267, 27.0818



20.2467, 27.9267, 15.6720



18.3227, 27.9267, 33.9947

# Sweetspot

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



34.0276, 27.9279, 52.3128



79.1200, 77.8617, 99.1379



28.5690, 29.0513, 52.8174



17.0984, 16.6576, 21.6994



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



34.0276, 27.9279, 52.3128



57.2074, 43.9462, 93.7464



36.9510, 29.5849, 45.6729



9.6528, 9.5534, 12.0074



12.8877, 5.9300, 32.8582



0.5667, 0.2642, 1.2900



# Inverse Universe

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



34.1436, 28.4620, 30.8894



57.6547, 45.1838, 48.2721



32.0797, 43.3221, 31.6383



9.6410, 9.5807, 10.4987



14.6114, 7.4757, 3.2473

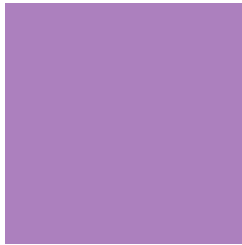


0.6018, 0.3046, 0.2822



# Previews

## White Background



This preview shows how the XYZ color 34.0267, 27.9267, 52.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

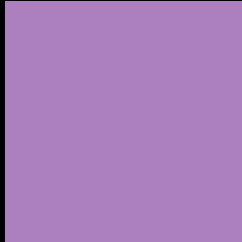
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.0267, 27.9267, 52.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

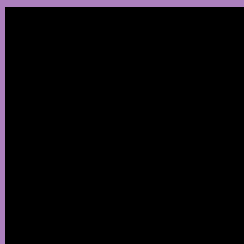
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.0267, 27.9267, 52.3122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0267, 27.9267, 52.3122.



This preview shows how white text looks on a background with the XYZ color 34.0267, 27.9267,



# 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

34.0267, 27.9267, 52.3122

### Protanopia

28.9680, 28.0751, 59.1506

### Deuteranopia

28.6343, 28.0848, 50.9254



## Tritanopia

29.9380, 28.1049, 31.4506

# Trichromacy



## Original Color

34.0267, 27.9267, 52.3122

## Protanomaly

30.3514, 27.7622, 56.5823

## Deuteranomaly

30.2355, 27.8181, 51.3528

## Tritanomaly

31.2844, 28.0194, 38.4097

# Monochromacy



## Original Color

34.0267, 27.9267, 52.3122

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.0404, 28.8622, 38.6380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0267, 27.9267, 52.3122 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(172, 128, 190)` looks like.

```
.text, #text, p{  
    color:rgb(172, 128, 190)  
}
```

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(172, 128, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 128, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0267, 27.9267, 52.3122 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(172, 128, 190) }
```



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

```
.border{ border-color:rgb(172, 128, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 128, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 128, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 128, 190); box-shadow:4px 4px 4px 4px rgb(172, 128, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0267, 27.9267, 52.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 128, 190) }
```

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

```
.background{ background-color: rgb(172,  
128, 190) }
```

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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