

Converting Colors

XYZ(33.5572, 27.5888, 52.2618)

Have a look what the booklet for
XYZ(33.5572, 27.5888, 52.2618)
contains.

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Color

**XYZ(33.5910, 27.7021,
52.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	AA80BE
RGB	170, 128, 190
RGB Percent	67%, 50%, 75%
CMY	0.3333, 0.4980, 0.2549
CMYK	0.11, 0.33, 0.00, 0.25
HSL	281°, 32%, 62%
HSV	281°, 33%, 75%
XYZ	33.5910, 27.7021, 52.2918
YIQ	147.6260, 5.1300, 28.1860

Conversions

Conversions Part 2

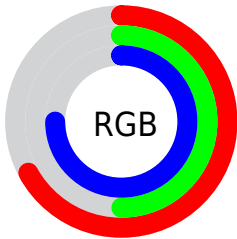
Format	Color
R_{YB}	170, 128, 190
Decimal	11174078
CIE _{Lab}	59.62, 27.56, -26.25
CIE _{LCh}	60, 38.061, 316.404
Yxy	27.7021, 0.2957, 0.2439
Android (android.graphics.Color)	4289364158 (0xFFAA80BE)
YUV	147.6260, 20.8904, 19.6220
Hunter-Lab	52.6328, 21.8139, -22.0629

Details

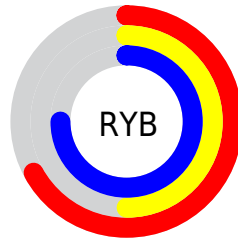
The XYZ color **33.5910, 27.7021, 52.2918** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.5234, 44.6820, 27.2283**, and the grayscale version is **27.9079, 29.3612, 31.9744**.

A 20% lighter version of the original color is **64.5225, 55.8703, 94.5721**, and **14.5044, 11.0083, 24.6529** is the 20% darker color. If you saturate the color by 10%, you get **30.0469, 22.5347, 51.4816**, and if you desaturate by 10%, it is **37.6627, 33.8317, 53.2608**.

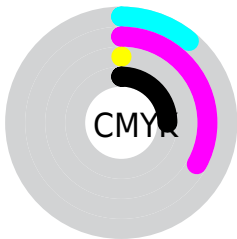
Distribution



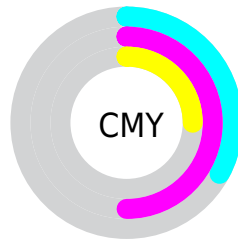
- Red (67%)
- Green (50%)
- Blue (75%)



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



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5910, 27.7021, 52.2918 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 33.5910, 27.7021, 52.2918 by changing the saturation by 10% instead.

33.5910, 27.7021,
52.2918

33.5910, 27.7021,
52.2918

309.9226,
291.0407, 412.5510

22.7410, 18.1012,
36.8539

64.6457, 56.0085,
94.9924

14.5220, 11.0227,
24.7995

85.5810, 75.4828,
123.0922

8.5687, 6.0821,
15.7101

110.6088, 99.0170,
156.2496

4.5158, 2.8951,
9.1671

140.0945,
126.9955, 194.8833

1.9979, 1.0772,
4.7520

174.4033,
159.8027, 239.4117

0.6328, 0.0000,
2.0463

213.9007,

0.0000, 0.0000,

197.8231, 290.2535

0.5835

258.9520,
241.4409, 347.8271

■ 0.0000, 0.0000,
0.0000

■ 33.5910, 27.7021,
52.2918

■ 33.5910, 27.7021,
52.2918

■ 30.0469, 22.5347,
51.4816

■ 37.6627, 33.8317,
53.2608

■ 27.0009, 18.2738,
50.8197

■ 42.2841, 40.9683,
54.3947

■ 24.4246, 14.8629,
50.2971

■ 47.4791, 49.1581,
55.7017

■ 22.2853, 12.2380,
49.9032

■ 53.2695, 58.4433,
57.1887

■ 20.5453, 10.3253,
49.6258

■ 59.6757, 68.8639,
58.8624

■ 19.1602, 9.0370,
49.4501

■ 66.7173, 80.4576,
60.7291

■ 18.3036, 8.3622,
49.3650

■ 72.4674, 89.3697,
62.1463

■ 74.2781, 90.3031,
62.2310

■ 76.1566, 91.2716,
62.3189

Harmonies

Analogous

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



29.0218, 27.7021, 63.2632



33.5910, 27.7021, 52.2918



36.3515, 27.7021, 36.8085

Triad

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



33.5910, 27.7021, 52.2918



28.5583, 27.7021, 11.0832



18.4358, 27.7021, 38.2552

Complementary

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



33.5910, 27.7021, 52.2918



34.5234, 44.6820, 27.2283

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.



18.3437, 27.7021, 24.3695



33.5910, 27.7021, 52.2918



23.8100, 27.7021, 11.2560

Square

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



33.5910, 27.7021, 52.2918



33.2164, 27.7021, 14.7913



20.1989, 27.7021, 15.3679



20.4680, 27.7021, 53.6241

Rectangle

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



33.5910, 27.7021, 52.2918



36.6012, 27.7021, 27.3112



20.1989, 27.7021, 15.3679



18.1863, 27.7021, 33.2064

Sweetspot

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



33.5919, 27.7033, 52.2924



78.8495, 77.7222, 99.1252



28.8922, 29.6976, 52.9251



17.0311, 16.6229, 21.6962



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.



33.5919, 27.7033, 52.2924



56.2779, 43.4670, 93.7029



37.1595, 29.6683, 46.7709



9.6226, 9.5378, 12.0060



12.2556, 5.6041, 32.8287



0.5456, 0.2533, 1.2890

Inverse Universe

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



34.3006, 28.5248, 31.7161



57.9729, 45.3111, 49.9474



31.9281, 43.2615, 30.8402



9.6536, 9.5857, 10.5650



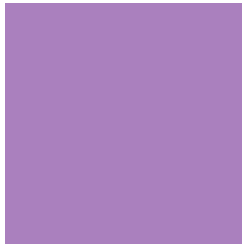
14.7178, 7.5183, 3.8074



0.6072, 0.3068, 0.3107

Previews

White Background



This preview shows how the XYZ color 33.5910, 27.7021, 52.2918 looks on a white background.

Color Contrast Check

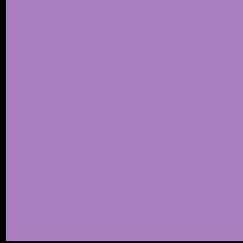
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5910, 27.7021, 52.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

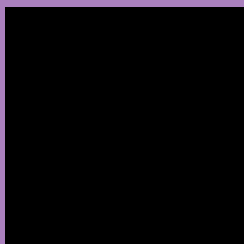
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5910, 27.7021, 52.2918

Background



This preview shows how black text looks on a background with the XYZ color 33.5910, 27.7021, 52.2918.



This preview shows how white text looks on a background with the XYZ color 33.5910, 27.7021,

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

33.5910, 27.7021, 52.2918

Protanopia

28.8198, 27.9987, 59.1437

Deuteranopia

28.3260, 27.7059, 50.8685



Tritanopia

29.3164, 27.7844, 31.4216

Trichromacy



Original Color

33.5910, 27.7021, 52.2918

Protanomaly

30.1790, 27.6733, 56.5742

Deuteranomaly

29.9139, 27.4422, 51.2972

Tritanomaly

30.8618, 27.8015, 38.3900

Monochromacy



Original Color

33.5910, 27.7021, 52.2918

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.8460, 28.7620, 38.6289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5910, 27.7021, 52.2918 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, 128, 190)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 128, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 128, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.5910, 27.7021, 52.2918 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, 128, 190) }
```


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

```
.border{ border-color:rgb(170, 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(170, 128, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 128, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 128, 190);  
box-shadow:4px 4px 4px 4px rgb(170, 128,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5910, 27.7021, 52.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 128, 190) }
```

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

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