

Converting Colors

XYZ(33.8610, 27.8521, 53.0259)

Have a look what the booklet for
XYZ(33.8610, 27.8521, 53.0259)
contains.

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Color

**XYZ(33.9177, 27.8579,
52.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	AB80BF
RGB	171, 128, 191
RGB Percent	67%, 50%, 75%
CMY	0.3294, 0.4980, 0.2510
CMYK	0.10, 0.33, 0.00, 0.25
HSL	281°, 33%, 63%
HSV	281°, 33%, 75%
XYZ	33.9177, 27.8579, 52.8797
YIQ	148.0390, 5.4050, 28.7090

Conversions

Conversions Part 2

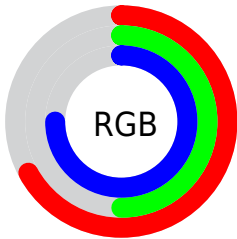
Format	Color
RYB	171, 128, 191
Decimal	11239615
CIELab	59.76, 28.10, -26.59
CIElCh	60, 38.682, 316.582
Yxy	27.8579, 0.2958, 0.2430
Android (android.graphics.Color)	4289429695 (0xFFAB80BF)
YUV	148.0390, 21.1798, 20.1368
Hunter-Lab	52.7806, 22.3411, -22.4549

Details

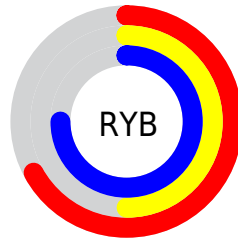
The XYZ color **33.9177, 27.8579, 52.8797** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.7409, 45.1168, 27.3008**, and the grayscale version is **28.0783, 29.5405, 32.1697**.

A 20% lighter version of the original color is **65.1457, 56.1560, 96.2126**, and **14.7110, 11.1065, 25.0353** is the 20% darker color. If you saturate the color by 10%, you get **30.3665, 22.6711, 52.0661**, and if you desaturate by 10%, it is **38.0002, 34.0162, 53.8536**.

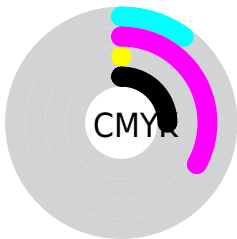
Distribution



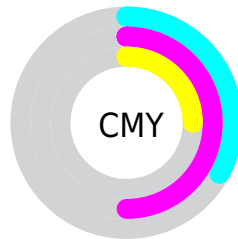
- Red (67%)
- Green (50%)
- Blue (75%)



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



- Cyan (10%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9177, 27.8579, 52.8797 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 33.9177, 27.8579, 52.8797 by changing the saturation by 10% instead.

■ 33.9177, 27.8579,
52.8797

■ 33.9177, 27.8579,
52.8797

311.3573,
291.7873, 414.8766

■ 22.9930, 18.2186,
37.3197

■ 65.1508, 56.2575,
95.8671

■ 14.7090, 11.1070,
25.1574

■ 86.1899, 75.7865,
124.1315

■ 8.7004, 6.1389,
15.9743

■ 111.3311, 99.3810,
157.4678

■ 4.6018, 2.9297,
9.3518

140.9399,
127.4251, 196.2946

■ 2.0479, 1.0951,
4.8714

175.3816,
160.3035, 241.0303

■ 0.6607, 0.0000,
2.1146

215.0214,

■ 0.0000, 0.0000,

198.4003, 292.0935

0.6244

260.2249,
242.1001, 349.9028

■ 0.0000, 0.0000,
0.0000

■ 33.9177, 27.8579,
52.8797

■ 33.9177, 27.8579,
52.8797

■ 30.3665, 22.6711,
52.0661

■ 38.0002, 34.0162,
53.8536

■ 27.3168, 18.3989,
51.4023

■ 42.6365, 41.1914,
54.9942

■ 24.7396, 14.9844,
50.8790

■ 47.8507, 49.4304,
56.3097

■ 22.6017, 12.3620,
50.4855

■ 53.6650, 58.7760,
57.8071

■ 20.8649, 10.4569,
50.2094

■ 60.1001, 69.2688,
59.4933

■ 19.4837, 9.1793,
50.0355

■ 67.1758, 80.9470,
61.3745

■ 18.6659, 8.5363,
49.9545

■ 72.7345, 89.4947,
62.7314

■ 74.5314, 90.4210,
62.8155

■ 76.3948, 91.3816,
62.9027

Harmonies

Analogous

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



29.2553, 27.8579, 64.1835



33.9177, 27.8579, 52.8797



36.7258, 27.8579, 37.0252

Triad

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



33.9177, 27.8579, 52.8797



28.7221, 27.8579, 10.9458



18.4451, 27.8579, 38.6916

Complementary

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



33.9177, 27.8579, 52.8797



34.7409, 45.1168, 27.3008

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.



18.3396, 27.8579, 24.4992



33.9177, 27.8579, 52.8797



23.8825, 27.8579, 11.1422

Square

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



33.9177, 27.8579, 52.8797



33.4861, 27.8579, 14.6671



20.2146, 27.8579, 15.3251



20.5231, 27.8579, 54.4188

Rectangle

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



33.9177, 27.8579, 52.8797



36.9686, 27.8579, 27.3471



20.2146, 27.8579, 15.3251



18.1875, 27.8579, 33.5277

Sweetspot

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



33.9186, 27.8591, 52.8803



78.8923, 77.7443, 99.1272



29.0546, 29.8469, 53.5204



17.0418, 16.6284, 21.6967



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.



33.9186, 27.8591, 52.8803



55.7980, 42.6354, 93.5677



37.4951, 29.8316, 47.2301



9.6274, 9.5403, 12.0062



12.3534, 5.6545, 32.8332



0.5489, 0.2550, 1.2891

Inverse Universe

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



34.5513, 28.6541, 31.7281



57.3556, 44.4345, 48.6378



32.1577, 43.7011, 30.9766



9.6516, 9.5849, 10.5544



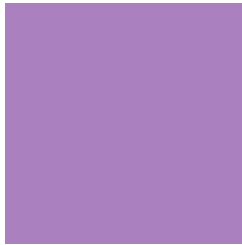
14.7001, 7.5112, 3.7144



0.6063, 0.3064, 0.3062

Previews

White Background



This preview shows how the XYZ color 33.9177, 27.8579, 52.8797 looks on a white background.

Color Contrast Check

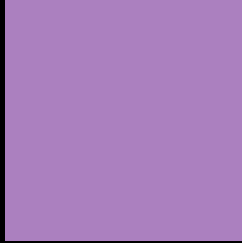
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9177, 27.8579, 52.8797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

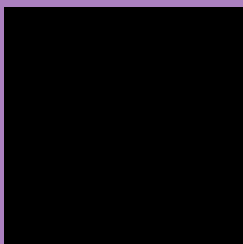
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9177, 27.8579, 52.8797

Background



This preview shows how black text looks on a background with the XYZ color 33.9177, 27.8579, 52.8797.



This preview shows how white text looks on a background with the XYZ color 33.9177, 27.8579,

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

33.9177, 27.8579, 52.8797

Protanopia

28.9379, 28.0459, 59.7653

Deuteranopia

28.5816, 28.0452, 51.4838



Tritanopia

29.5220, 27.8904, 31.4312

Trichromacy



Original Color

33.9177, 27.8579, 52.8797

Protanomaly

30.2940, 27.7193, 57.1798

Deuteranomaly

30.1636, 27.7685, 51.9142

Tritanomaly

31.0723, 27.9100, 38.3998

Monochromacy



Original Color

33.9177, 27.8579, 52.8797

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.9360, 28.7980, 39.1027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9177, 27.8579, 52.8797 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(171, 128, 191)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 191)  
}
```

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(171, 128, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.9177, 27.8579, 52.8797 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(171, 128, 191) }
```


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

```
.border{ border-color:rgb(171, 128, 191) }
```

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

Here you see how a box with a 4 pixel rgb(171, 128, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 128, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 128, 191);  
box-shadow:4px 4px 4px 4px rgb(171, 128,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9177, 27.8579, 52.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 191) }
```

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

```
.background{ background-color: rgb(171,  
128, 191) }
```

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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