

Converting Colors

XYZ(34.9880, 27.8499, 52.2467)

Have a look what the booklet for
XYZ(34.9880, 27.8499, 52.2467)
contains.

XYZ(34.9880, 27.8499, 52.2467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.9880, 27.8499,
52.2467)**

Conversions

Conversions Part 1

Format	Color
Hex	B27DBE
RGB	178, 125, 190
RGB Percent	70%, 49%, 75%
CMY	0.3020, 0.5098, 0.2549
CMYK	0.06, 0.34, 0.00, 0.25
HSL	289°, 33%, 62%
HSV	289°, 34%, 75%
XYZ	34.9880, 27.8499, 52.2467
YIQ	148.2570, 10.7230, 31.4510

Conversions

Conversions Part 2

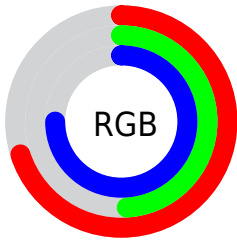
Format	Color
R _Y B	178, 125, 190
Decimal	11697598
CIE Lab	59.75, 31.82, -25.97
CIE LCh	60, 41.072, 320.781
Yxy	27.8499, 0.3040, 0.2420
Android (android.graphics.Color)	4289887678 (0xFFB27DBE)
YUV	148.2570, 20.5793, 26.0846
Hunter-Lab	52.7730, 25.9910, -21.7576

Details

The XYZ color **34.9880, 27.8499, 52.2467** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.4325, 43.6266, 26.1147**, and the grayscale version is **28.1700, 29.6370, 32.2747**.

A 20% lighter version of the original color is **66.8159, 56.1568, 94.5065**, and **15.2722, 11.0948, 24.6291** is the 20% darker color. If you saturate the color by 10%, you get **32.0146, 23.0821, 51.4836**, and if you desaturate by 10%, it is **38.4439, 33.5509, 53.1654**.

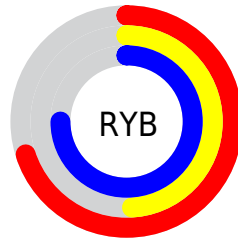
Distribution



Red (70%)

Green (49%)

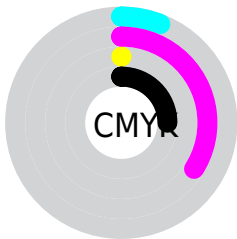
Blue (75%)



Red (70%)

Yellow (49%)

Blue (75%)

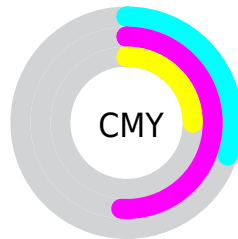


Cyan (6%)

Magenta (34%)

Yellow (0%)

Black (25%)



Cyan (30%)

Magenta (51%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9880, 27.8499, 52.2467 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 34.9880, 27.8499, 52.2467 by changing the saturation by 10% instead.

■ 34.9880, 27.8499,
52.2467

■ 34.9880, 27.8499,
52.2467

316.0243,
291.7490, 412.3723

■ 23.8201, 18.2125,
36.8182

■ 66.8013, 56.2447,
94.9253

■ 15.3242, 11.1027,
24.7720

■ 88.1775, 75.7710,
123.0123

■ 9.1351, 6.1359,
15.6898

■ 113.6870, 99.3623,
156.1560

■ 4.8872, 2.9279,
9.1530

143.6955,
127.4031, 194.7748

■ 2.2153, 1.0942,
4.7429

178.5680,
160.2778, 239.2873

■ 0.7508, 0.0000,
2.0411

218.6701,

■ 0.0000, 0.0000,

198.3707, 290.1121

0.5804

264.3671,
242.0663, 347.6675

■ 0.0000, 0.0000,
0.0000

■ 34.9880, 27.8499,
52.2467

■ 34.9880, 27.8499,
52.2467

■ 32.0146, 23.0821,
51.4836

■ 38.4439, 33.5509,
53.1654

■ 29.4945, 19.1911,
50.8653

■ 42.4039, 40.2299,
54.2458

■ 27.3994, 16.1202,
50.3830

■ 46.8916, 47.9334,
55.4962

■ 25.6967, 13.8041,
50.0257

■ 51.9283, 56.7036,
56.9236

■ 24.3488, 12.1679,
49.7809

■ 57.5340, 66.5804,
58.5346

■ 23.3101, 11.1208,
49.6336

■ 63.7278, 77.6018,
60.3355

■ 22.7975, 10.6789,
49.5753

■ 69.5619, 87.8718,
62.0103

■ 70.5253, 88.3685,
62.0554

■ 71.5104, 88.8764,
62.1015

Harmonies

Analogous

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



30.1751, 27.8499, 65.7046



34.9880, 27.8499, 52.2467



37.6053, 27.8499, 35.1415

Triad

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



34.9880, 27.8499, 52.2467



28.1032, 27.8499, 9.9440



18.1867, 27.8499, 41.6485

Complementary

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



34.9880, 27.8499, 52.2467



32.4325, 43.6266, 26.1147

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.



17.7841, 27.8499, 25.9678



34.9880, 27.8499, 52.2467



23.0822, 27.8499, 10.6704

Square

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



34.9880, 27.8499, 52.2467



33.3019, 27.8499, 13.1215



19.4613, 27.8499, 15.5939



20.6437, 27.8499, 58.3255

Rectangle

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



34.9880, 27.8499, 52.2467



37.5456, 27.8499, 25.2810



19.4613, 27.8499, 15.5939



17.8204, 27.8499, 35.9962

Sweetspot

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



34.9889, 27.8511, 52.2473



80.0150, 78.3231, 99.1798



26.8413, 26.2559, 52.3688



17.3215, 16.7726, 21.7098



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.



34.9889, 27.8511, 52.2473



59.3062, 43.8721, 93.6215



35.8727, 28.5367, 41.8969



9.7526, 9.6048, 12.0121



15.2202, 7.1324, 32.9674



0.6418, 0.3029, 1.2935

Inverse Universe

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



33.0850, 27.4217, 27.2171



55.5109, 43.0802, 40.8241



31.9442, 43.2165, 33.2455



9.6002, 9.5644, 10.2836



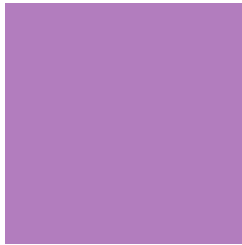
14.3443, 7.3689, 1.8409



0.5840, 0.2975, 0.1889

Previews

White Background



This preview shows how the XYZ color 34.9880, 27.8499, 52.2467 looks on a white background.

Color Contrast Check

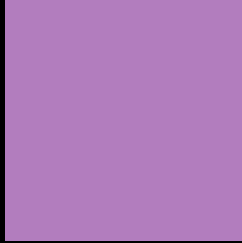
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9880, 27.8499, 52.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

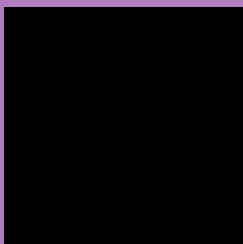
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.9880, 27.8499, 52.2467

Background



This preview shows how black text looks on a background with the XYZ color 34.9880, 27.8499, 52.2467.



This preview shows how white text looks on a background with the XYZ color 34.9880, 27.8499,

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

34.9880, 27.8499, 52.2467

Protanopia

28.9099, 28.0178, 60.3842

Deuteranopia

28.6343, 28.0848, 50.9254



Tritanopia

30.4305, 27.7525, 30.5410

Trichromacy



Original Color

34.9880, 27.8499, 52.2467

Protanomaly

30.4988, 27.6148, 57.1488

Deuteranomaly

30.6438, 27.8185, 51.3314

Tritanomaly

32.0049, 27.8045, 37.3982

Monochromacy



Original Color

34.9880, 27.8499, 52.2467

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.2870, 28.7714, 38.6075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9880, 27.8499, 52.2467 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(178, 125, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 125, 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(178, 125, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 125, 190) }
```

Border

The CSS property to change the border of an element to XYZ 34.9880, 27.8499, 52.2467 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(178, 125, 190) }
```


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

```
.border{ border-color:rgb(178, 125, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 125, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 125, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 125, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 125,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9880, 27.8499, 52.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 125, 190) }
```

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

```
.background{ background-color: rgb(178,  
125, 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](#).

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