

Converting Colors

XYZ(34.3205, 27.8798, 44.3910)

Have a look what the booklet for
XYZ(34.3205, 27.8798, 44.3910)
contains.

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Color

**XYZ(34.3534, 27.8801,
44.6451)**

Conversions

Conversions Part 1

Format	Color
Hex	B57EB0
RGB	181, 126, 176
RGB Percent	71%, 49%, 69%
CMY	0.2902, 0.5059, 0.3098
CMYK	0.00, 0.30, 0.03, 0.29
HSL	305°, 27%, 60%
HSV	305°, 30%, 71%
XYZ	34.3534, 27.8801, 44.6451
YIQ	148.1450, 16.7300, 27.2100

Conversions

Conversions Part 2

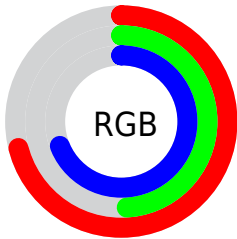
Format	Color
RYB	181, 126, 176
Decimal	11894448
CIELab	59.78, 29.52, -17.93
CIELCh	60, 34.539, 328.733
Yxy	27.8801, 0.3214, 0.2609
Android (android.graphics.Color)	4290084528 (0xFFB57EB0)
YUV	148.1450, 13.7325, 28.8138
Hunter-Lab	52.8016, 23.7316, -13.1701

Details

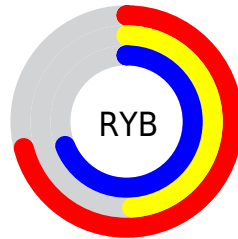
The XYZ color **34.3534, 27.8801, 44.6451** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.2260, 39.1229, 27.4855**, and the grayscale version is **28.1492, 29.6151, 32.2509**.

A 20% lighter version of the original color is **65.9455, 56.2435, 83.7243**, and **14.9120, 11.1110, 20.0976** is the 20% darker color. If you saturate the color by 10%, you get **32.0834, 23.5987, 43.0902**, and if you desaturate by 10%, it is **37.0458, 33.0022, 46.3511**.

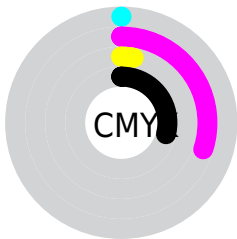
Distribution



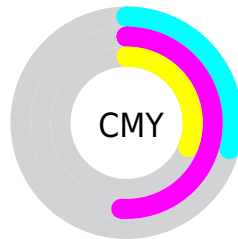
- Red (71%)
- Green (49%)
- Blue (69%)



- Red (71%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (30%)
- Yellow (3%)
- Black (29%)





- Cyan (29%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3534, 27.8801, 44.6451 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 34.3534, 27.8801, 44.6451 by changing the saturation by 10% instead.

 34.3534, 27.8801,
44.6451


 34.3534, 27.8801,
44.6451


313.2632,
291.8935, 381.4524


 23.3294, 18.2353,
30.8371


 65.8235, 56.2930,
83.5004

 14.9590, 11.1190,
20.2174


 87.0003, 75.8298,
109.3847

 8.8767, 6.1470,
12.3675


 112.2921, 99.4328,
140.1316

 4.7173, 2.9347,
6.8689

142.0642,
127.4863, 176.1595

 2.1154, 1.0977,
3.3031

176.6821,
160.3747, 217.8870

 0.6976, 0.0000,
1.2514

216.5109,

 0.0000, 0.0000,

198.4825, 265.7326

0.0214

261.9162,
242.1940, 320.1149

■ 0.0000, 0.0000,
0.0000

■ 34.3534, 27.8801,
44.6451

■ 34.3534, 27.8801,
44.6451

■ 32.0834, 23.5987,
43.0902

■ 37.0458, 33.0022,
46.3511

■ 30.2107, 20.1091,
41.6771

■ 40.1790, 39.0032,
48.2136

■ 28.7114, 17.3632,
40.3982

■ 43.7732, 45.9232,
50.2395

■ 27.5579, 15.3058,
39.2442

■ 47.8470, 53.7989,
52.4351

■ 26.7190, 13.8745,
38.2046

■ 52.4175, 62.6650,
54.8062

■ 26.1577, 12.9953,
37.2672

■ 57.5013, 72.5544,
57.3583

■ 25.8064, 12.5239,
36.4376

■ 63.1140, 83.4986,
60.0966

■ 64.0196, 85.0252,
61.2759

■ 64.1995, 85.0972,
62.2233

Harmonies

Analogous

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



30.7491, 27.8801, 56.7387



34.3534, 27.8801, 44.6451



35.8231, 27.8801, 30.8923

Triad

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



34.3534, 27.8801, 44.6451



26.6856, 27.8801, 12.0886



19.7904, 27.8801, 43.4630

Complementary

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



34.3534, 27.8801, 44.6451



29.2260, 39.1229, 27.4855

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.



18.9522, 27.8801, 29.8273



34.3534, 27.8801, 44.6451



22.6601, 27.8801, 13.7617

Square

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



34.3534, 27.8801, 44.6451



31.1061, 27.8801, 14.0783



19.9438, 27.8801, 19.4972



22.3712, 27.8801, 55.9345

Rectangle

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



34.3534, 27.8801, 44.6451



35.2839, 27.8801, 23.2629



19.9438, 27.8801, 19.4972



19.3089, 27.8801, 38.7633

Sweetspot

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



34.3543, 27.8813, 44.6457



72.7080, 71.2925, 86.7803



25.0983, 23.0515, 46.8432



15.5266, 15.0474, 18.6478



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.3543, 27.8813, 44.6457



58.9126, 44.9945, 78.1959



31.9361, 26.9141, 31.9119



8.8161, 8.6331, 10.5298



17.8036, 8.6390, 25.1895



0.5698, 0.2757, 0.8434

Inverse Universe

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



34.3543, 27.8813, 44.6457



58.9126, 44.9945, 78.1959



31.3079, 39.9557, 38.4486



8.8161, 8.6331, 10.5298



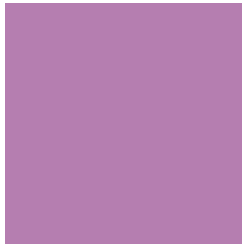
17.8036, 8.6390, 25.1895



0.5698, 0.2757, 0.8434

Previews

White Background



This preview shows how the XYZ color 34.3534, 27.8801, 44.6451 looks on a white background.

Color Contrast Check

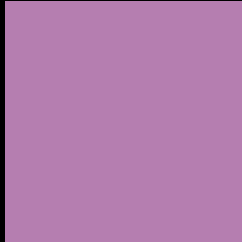
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3534, 27.8801, 44.6451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

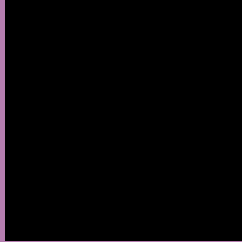
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3534, 27.8801, 44.6451

Background



This preview shows how black text looks on a background with the XYZ color 34.3534, 27.8801, 44.6451.



This preview shows how white text looks on a background with the XYZ color 34.3534, 27.8801,

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

34.3534, 27.8801, 44.6451

Protanopia

28.4153, 28.1813, 51.5188

Deuteranopia

28.5693, 27.9962, 43.4332



Tritanopia

31.3407, 27.8328, 29.7070

Trichromacy



Original Color

34.3534, 27.8801, 44.6451

Protanomaly

30.1751, 27.8360, 49.1299

Deuteranomaly

30.3488, 27.8324, 43.8170

Tritanomaly

32.2591, 27.7968, 34.6754

Monochromacy



Original Color

34.3534, 27.8801, 44.6451

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.0468, 28.6984, 36.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3534, 27.8801, 44.6451 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(181, 126, 176)` looks like.

```
.text, #text, p{  
    color:rgb(181, 126, 176)  
}
```

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(181, 126, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 126, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.3534, 27.8801, 44.6451 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(181, 126, 176) }
```


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

```
.border{ border-color:rgb(181, 126, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 126, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 126, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 126, 176);  
box-shadow:4px 4px 4px 4px rgb(181, 126,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3534, 27.8801, 44.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 126, 176) }
```

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

```
.background{ background-color: rgb(181,  
126, 176) }
```

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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