

Converting Colors

XYZ(34.9078, 28.1233, 54.8618)

Have a look what the booklet for
XYZ(34.9078, 28.1233, 54.8618)
contains.

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Color

**XYZ(34.7825, 28.0725,
54.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	AE7FC2
RGB	174, 127, 194
RGB Percent	68%, 50%, 76%
CMY	0.3176, 0.5019, 0.2392
CMYK	0.10, 0.35, 0.00, 0.24
HSL	282°, 35%, 63%
HSV	282°, 35%, 76%
XYZ	34.7825, 28.0725, 54.6242
YIQ	148.6910, 6.5050, 30.8010

Conversions

Conversions Part 2

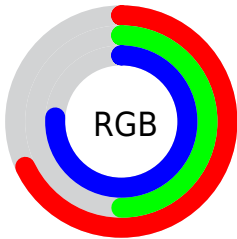
Format	Color
RYB	174, 127, 194
Decimal	11435970
CIELab	59.95, 30.25, -27.96
CIElCh	60, 41.194, 317.251
Yxy	28.0725, 0.2961, 0.2390
Android (android.graphics.Color)	4289626050 (0xFFAE7FC2)
YUV	148.6910, 22.3373, 22.1960
Hunter-Lab	52.9835, 24.4602, -24.0376

Details

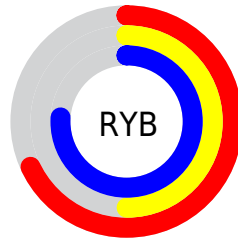
The XYZ color **34.7825, 28.0725, 54.6242** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.1562, 46.3196, 27.1677**, and the grayscale version is **28.3455, 29.8217, 32.4758**.

A 20% lighter version of the original color is **66.3670, 56.4305, 98.6611**, and **15.1332, 11.1943, 26.1740** is the 20% darker color. If you saturate the color by 10%, you get **31.2518, 22.8848, 53.8094**, and if you desaturate by 10%, it is **38.8531, 34.2561, 55.6036**.

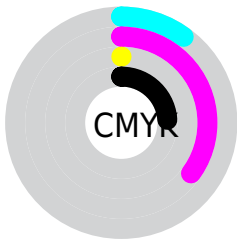
Distribution



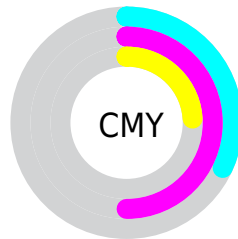
- Red (68%)
- Green (50%)
- Blue (76%)



- Red (68%)
- Yellow (50%)
- Blue (76%)



- Cyan (10%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)




- Cyan (32%)
- Magenta (50%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7825, 28.0725, 54.6242 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 34.7825, 28.0725, 54.6242 by changing the saturation by 10% instead.


 34.7825, 28.0725,
54.6242


 34.7825, 28.0725,
54.6242


315.1321,
292.8132, 421.7276


 23.6611, 18.3803,
38.7044


 66.4849, 56.6002,
98.4558

 15.2058, 11.2234,
26.2238


 87.7967, 76.2044,
127.2045

 9.0512, 6.2173,
16.7638


 113.2359, 99.8815,
161.0667

 4.8320, 2.9777,
9.9061

143.1680,
128.0159, 200.4609

 2.1828, 1.1201,
5.2319

177.9584,
160.9918, 245.8055

 0.7336, 0.0000,
2.3229

217.9722,

 0.0000, 0.0000,

199.1937, 297.5191

0.7440

263.5750,
243.0061, 356.0203

■ 0.0000, 0.0000,
0.0000

■ 34.7825, 28.0725,
54.6242

■ 34.7825, 28.0725,
54.6242

■ 31.2518, 22.8848,
53.8094

■ 38.8531, 34.2561,
55.6036

■ 28.2297, 18.6334,
53.1481

■ 43.4870, 41.4834,
56.7544

■ 25.6859, 15.2579,
52.6306

■ 48.7097, 49.8035,
58.0851

■ 23.5852, 12.6893,
52.2455

■ 54.5439, 59.2614,
59.6032

■ 21.8871, 10.8477,
51.9796

■ 61.0115, 69.8992,
61.3156

■ 20.5428, 9.6363,
51.8166

■ 68.1328, 81.7572,
63.2291

■ 19.9055, 9.1368,
51.7538

■ 73.3870, 89.7925,
64.5031

■ 75.1131, 90.6824,
64.5839

■ 76.8999, 91.6035,
64.6675

Harmonies

Analogous

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



29.7817, 28.0725, 67.2178



34.7825, 28.0725, 54.6242



37.7604, 28.0725, 37.3840

Triad

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



34.7825, 28.0725, 54.6242



28.9671, 28.0725, 10.1813



18.1729, 28.0725, 39.9429

Complementary

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



34.7825, 28.0725, 54.6242



35.1562, 46.3196, 27.1677

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.



18.0148, 28.0725, 24.6321



34.7825, 28.0725, 54.6242



23.8053, 28.0725, 10.4657

Square

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



34.7825, 28.0725, 54.6242



34.1193, 28.0725, 13.9006



19.9484, 28.0725, 14.8696



20.4127, 28.0725, 57.0173

Rectangle

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



34.7825, 28.0725, 54.6242



37.9723, 28.0725, 27.0683



19.9484, 28.0725, 14.8696



17.8860, 28.0725, 34.3531

Sweetspot

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



34.7834, 28.0737, 54.6248



82.7935, 81.5042, 103.8380



28.9404, 29.3069, 55.1708



17.8385, 17.3839, 22.6652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.7834, 28.0737, 54.6248



58.3683, 43.9935, 97.8850



38.1378, 29.9691, 47.2764



10.1951, 10.0917, 12.6954



13.1729, 6.0513, 34.0303



0.6358, 0.2958, 1.4735

Inverse Universe

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



35.1049, 28.7559, 31.3054



59.2691, 45.5461, 48.7636



32.8084, 45.0016, 31.9242



10.1942, 10.1263, 11.1130



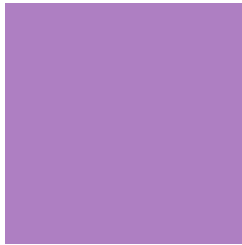
15.1601, 7.7538, 3.4892



0.6862, 0.3475, 0.3151

Previews

White Background



This preview shows how the XYZ color 34.7825, 28.0725, 54.6242 looks on a white background.

Color Contrast Check

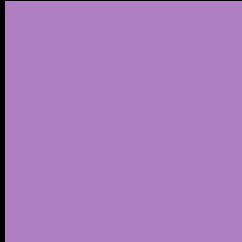
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7825, 28.0725, 54.6242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

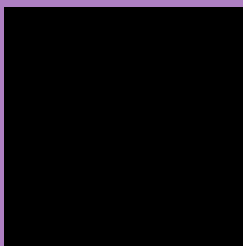
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7825, 28.0725, 54.6242

Background



This preview shows how black text looks on a background with the XYZ color 34.7825, 28.0725, 54.6242.



This preview shows how white text looks on a background with the XYZ color 34.7825, 28.0725,

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

34.7825, 28.0725, 54.6242

Protanopia

29.4205, 28.4611, 62.3354

Deuteranopia

28.7498, 28.0941, 53.1976



Tritanopia

30.0070, 27.9304, 31.4133

Trichromacy



Original Color

34.7825, 28.0725, 54.6242

Protanomaly

30.9340, 27.9952, 59.6503

Deuteranomaly

30.6728, 27.9930, 53.6557

Tritanomaly

31.6659, 28.0014, 38.8578

Monochromacy



Original Color

34.7825, 28.0725, 54.6242

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.4170, 29.0355, 39.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7825, 28.0725, 54.6242 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(174, 127, 194)` looks like.

```
.text, #text, p{  
    color:rgb(174, 127, 194)  
}
```

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(174, 127, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 127, 194) }
```

Border

The CSS property to change the border of an element to XYZ 34.7825, 28.0725, 54.6242 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(174, 127, 194) }
```


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

```
.border{ border-color:rgb(174, 127, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 127, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 127, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 127, 194);  
box-shadow:4px 4px 4px 4px rgb(174, 127,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7825, 28.0725, 54.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 127, 194) }
```

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

```
.background{ background-color: rgb(174,  
127, 194) }
```

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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