

Converting Colors

XYZ(33.0338, 28.7651, 42.9798)

Have a look what the booklet for
XYZ(33.0338, 28.7651, 42.9798)
contains.

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Color

**XYZ(32.9847, 28.7994,
42.8501)**

Conversions

Conversions Part 1

Format	Color
Hex	AC86AC
RGB	172, 134, 172
RGB Percent	67%, 53%, 67%
CMY	0.3255, 0.4745, 0.3255
CMYK	0.00, 0.22, 0.00, 0.33
HSL	300°, 19%, 60%
HSV	300°, 22%, 67%
XYZ	32.9847, 28.7994, 42.8501
YIQ	149.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

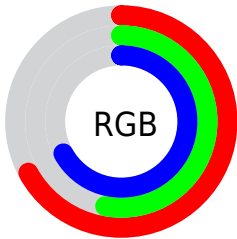
Format	Color
RYB	172, 134, 172
Decimal	11306668
CIELab	60.60, 21.18, -14.49
CIELCh	61, 25.658, 325.623
Yxy	28.7994, 0.3152, 0.2752
Android (android.graphics.Color)	4289496748 (0xFFAC86AC)
YUV	149.6940, 10.9969, 19.5624
Hunter-Lab	53.6651, 15.7994, -9.7759

Details

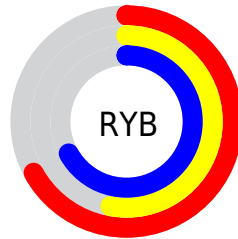
The XYZ color **32.9847, 28.7994, 42.8501** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.8882, 36.2954, 28.0389**, and the grayscale version is **28.8124, 30.3129, 33.0107**.

A 20% lighter version of the original color is **63.6304, 57.5807, 80.4335**, and **14.1682, 11.6187, 19.2652** is the 20% darker color. If you saturate the color by 10%, you get **30.7984, 24.4263, 42.1217**, and if you desaturate by 10%, it is **35.5594, 33.9483, 43.7087**.

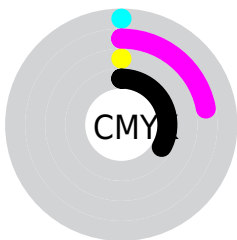
Distribution



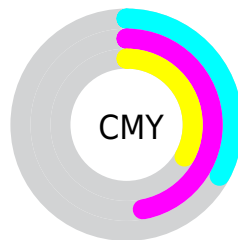
- Red (67%)
- Green (53%)
- Blue (67%)



- Red (67%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9847, 28.7994, 42.8501 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 32.9847, 28.7994, 42.8501 by changing the saturation by 10% instead.


 32.9847, 28.7994,
42.8501


 32.9847, 28.7994,
42.8501


307.2470,
296.2673, 373.8980


 22.2739, 18.9291,
29.4370


 63.7065, 57.7582,
80.7685

 14.1760, 11.6191,
19.1632


 84.4482, 77.6155,
106.1109

 8.3257, 6.4849,
11.6103

 109.2642,
101.5707, 136.2669

 4.3576, 3.1421,
6.3596

138.5199,
130.0080, 171.6548

 1.9064, 1.2064,
2.9926

172.5807,
163.3120, 212.6934

 0.5805, 0.0669,
1.0909

211.8119,

 0.0000, 0.0000,

201.8669, 259.8011

0.0000

256.5789,
246.0572, 313.3964

■ 32.9847, 28.7994,
42.8501

■ 32.9847, 28.7994,
42.8501

■ 30.7984, 24.4263,
42.1217

■ 35.5594, 33.9483,
43.7087

■ 28.9792, 20.7879,
41.5153

■ 38.5373, 39.9041,
44.7013

■ 27.5078, 17.8450,
41.0248

■ 41.9356, 46.7007,
45.8341

■ 26.3619, 15.5534,
40.6428

■ 45.7697, 54.3689,
47.1121

■ 25.5170, 13.8635,
40.3612

■ 50.0543, 62.9381,
48.5403

■ 24.9448, 12.7191,
40.1705

■ 54.8034, 72.4362,
50.1233

■ 24.6117, 12.0529,
40.0594

■ 60.0303, 82.8901,
51.8656

■ 24.4599, 11.7493,
40.0088

■ 60.2199, 83.2693,
51.9288

■ 60.2199, 83.2693,
51.9288

Harmonies

Analogous

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



30.2263, 28.7994, 50.8910



32.9847, 28.7994, 42.8501



34.2414, 28.7994, 32.7733

Triad

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



32.9847, 28.7994, 42.8501



27.8629, 28.7994, 16.4372



22.0129, 28.7994, 39.9433

Complementary

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



32.9847, 28.7994, 42.8501



28.8882, 36.2954, 28.0389

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.



21.4905, 28.7994, 29.9834



32.9847, 28.7994, 42.8501



24.7051, 28.7994, 17.5972

Square

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



32.9847, 28.7994, 42.8501



31.1365, 28.7994, 18.5633



22.4368, 28.7994, 22.1291



23.9256, 28.7994, 48.9889

Rectangle

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



32.9847, 28.7994, 42.8501



33.9899, 28.7994, 26.6890



22.4368, 28.7994, 22.1291



21.6759, 28.7994, 36.5413

Sweetspot

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



32.9856, 28.8007, 42.8507



67.0984, 66.7648, 80.1562



25.8921, 25.2742, 42.5439



14.5159, 14.3773, 17.3977



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.9856, 28.8007, 42.8507



57.6153, 47.7985, 76.9951



31.3415, 28.1430, 34.1933



8.3371, 8.1481, 10.0860



18.2020, 8.7433, 29.7728



0.5064, 0.2432, 0.8282

Inverse Universe

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



29.8425, 27.5434, 26.2993



50.7903, 45.0685, 41.0552



30.2826, 36.8532, 35.3818



8.0053, 8.0154, 8.3386



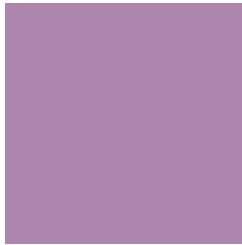
12.6607, 6.5268, 0.5925



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 32.9847, 28.7994, 42.8501 looks on a white background.

Color Contrast Check

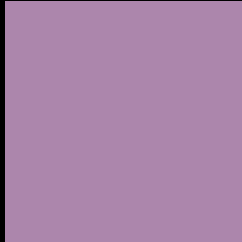
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9847, 28.7994, 42.8501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

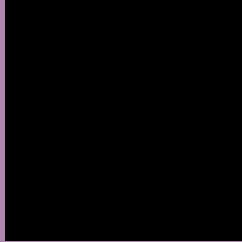
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9847, 28.7994, 42.8501

Background



This preview shows how black text looks on a background with the XYZ color 32.9847, 28.7994, 42.8501.



This preview shows how white text looks on a background with the XYZ color 32.9847, 28.7994,

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

32.9847, 28.7994, 42.8501

Protanopia

28.9095, 28.9944, 46.7206

Deuteranopia

29.4726, 28.9368, 42.0622



Tritanopia

30.8755, 28.7819, 32.3619

Trichromacy



Original Color

32.9847, 28.7994, 42.8501

Protanomaly

30.1238, 28.7637, 45.0385

Deuteranomaly

30.6334, 28.8645, 42.4849

Tritanomaly

31.6090, 28.8717, 35.8051

Monochromacy



Original Color

32.9847, 28.7994, 42.8501

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.2454, 29.6842, 36.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9847, 28.7994, 42.8501 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(172, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 172)  
}
```

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(172, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.9847, 28.7994, 42.8501 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(172, 134, 172) }
```


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

```
.border{ border-color:rgb(172, 134, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9847, 28.7994, 42.8501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 172) }
```

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

```
.background{ background-color: rgb(172,  
134, 172) }
```

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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