

Converting Colors

XYZ(32.3289, 28.8866, 40.1924)

Have a look what the booklet for
XYZ(32.3289, 28.8866, 40.1924)
contains.

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Color

**XYZ(32.3568, 28.9444,
40.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	AA88A7
RGB	170, 136, 167
RGB Percent	67%, 53%, 65%
CMY	0.3333, 0.4667, 0.3451
CMYK	0.00, 0.20, 0.02, 0.33
HSL	305°, 17%, 60%
HSV	305°, 20%, 67%
XYZ	32.3568, 28.9444, 40.4407
YIQ	149.7000, 10.3130, 16.8490

Conversions

Conversions Part 2

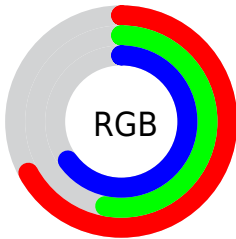
Format	Color
R_{YB}	170, 136, 167
Decimal	11176103
CIE _{Lab}	60.73, 18.38, -11.47
CIE _{LCh}	61, 21.663, 328.042
Yxy	28.9444, 0.3180, 0.2845
Android (android.graphics.Color)	4289366183 (0xFFAA88A7)
YUV	149.7000, 8.5289, 17.8031
Hunter-Lab	53.8000, 13.2048, -6.9075

Details

The XYZ color **32.3568, 28.9444, 40.4407** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.1894, 35.8487, 29.8087**, and the grayscale version is **28.8251, 30.3262, 33.0253**.

A 20% lighter version of the original color is **62.9623, 58.2696, 77.0359**, and **13.7584, 11.6753, 17.7481** is the 20% darker color. If you saturate the color by 10%, you get **30.0123, 24.4756, 38.9792**, and if you desaturate by 10%, it is **35.0844, 34.1758, 42.0385**.

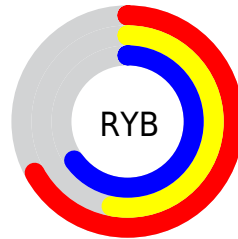
Distribution



Red (67%)

Green (53%)

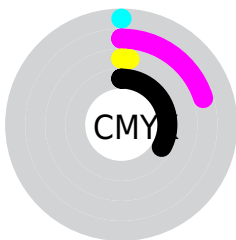
Blue (65%)



Red (67%)

Yellow (53%)

Blue (65%)

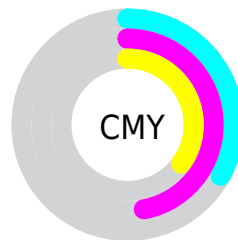


Cyan (0%)

Magenta (20%)

Yellow (2%)

Black (33%)



Cyan (33%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3568, 28.9444, 40.4407 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 32.3568, 28.9444, 40.4407 by changing the saturation by 10% instead.


 32.3568, 28.9444,
40.4407


 32.3568, 28.9444,
40.4407


304.4579,
296.9525, 363.5847


 21.7910, 19.0388,
27.5659


 62.7314, 57.9887,
77.0785

 13.8192, 11.6983,
17.7625


 83.2710, 77.8962,
101.6787

 8.0759, 6.5386,
10.6119


 107.8660,
101.9065, 131.0244

 4.1957, 3.1753,
5.6957

136.8816,
130.4038, 165.5341

 1.8135, 1.2239,
2.5951

170.6832,
163.7727, 205.6265

 0.5258, 0.0811,
0.8899

209.6362,

 0.0000, 0.0000,

202.3975, 251.7200

0.0000

254.1060,
246.6627, 304.2333

■ 32.3568, 28.9444,
40.4407

■ 32.3568, 28.9444,
40.4407

■ 30.0123, 24.4756,
38.9792

■ 35.0844, 34.1758,
42.0385

■ 28.0304, 20.7300,
37.6461

■ 38.2092, 40.1995,
43.7764

■ 26.3928, 17.6702,
36.4357

■ 41.7477, 47.0481,
45.6601

■ 25.0782, 15.2541,
35.3408

■ 45.7147, 54.7512,
47.6947

■ 24.0633, 13.4347,
34.3536

■ 50.1245, 63.3371,
49.8850

■ 23.3215, 12.1590,
33.4653

■ 54.9904, 72.8326,
52.2353

■ 22.8214, 11.3644,
32.6654

■ 60.3238, 83.2606,
54.7496

■ 22.4942, 10.9128,
31.9308

■ 60.4748, 83.3210,
55.5445

■ 22.4941, 10.9127,
31.9306

■ 60.6274, 83.3820,
56.3481

Harmonies

Analogous

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



30.1312, 28.9444, 47.2496



32.3568, 28.9444, 40.4407



33.2747, 28.9444, 32.0475

Triad

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



32.3568, 28.9444, 40.4407



27.6959, 28.9444, 18.4369



23.0102, 28.9444, 39.3684

Complementary

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



32.3568, 28.9444, 40.4407



29.1894, 35.8487, 29.8087

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.



22.4541, 28.9444, 30.9895



32.3568, 28.9444, 40.4407



25.0469, 28.9444, 19.7310

Square

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



32.3568, 28.9444, 40.4407



30.4724, 28.9444, 20.1207



23.1745, 28.9444, 24.0108



24.7476, 28.9444, 46.5601

Rectangle

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



32.3568, 28.9444, 40.4407



32.9775, 28.9444, 26.9597



23.1745, 28.9444, 24.0108



22.6843, 28.9444, 36.5577

Sweetspot

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



32.3577, 28.9457, 40.4413



65.7737, 66.0841, 77.4689



26.6808, 25.9867, 41.6405



14.5900, 14.5872, 17.2323



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.



32.3577, 28.9457, 40.4413



56.7371, 48.7531, 72.1688



30.9012, 28.3631, 32.7717



7.8129, 7.6550, 9.3321



16.5571, 8.0316, 23.5432



0.4109, 0.1986, 0.6150

Inverse Universe

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



32.3577, 28.9457, 40.4413



56.7371, 48.7531, 72.1688



30.5158, 36.3792, 36.7931



7.8129, 7.6550, 9.3321



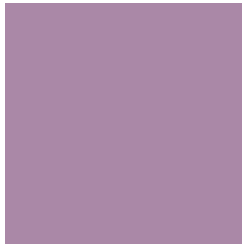
16.5571, 8.0316, 23.5432



0.4109, 0.1986, 0.6150

Previews

White Background



This preview shows how the XYZ color 32.3568, 28.9444, 40.4407 looks on a white background.

Color Contrast Check

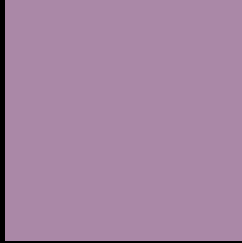
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3568, 28.9444, 40.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

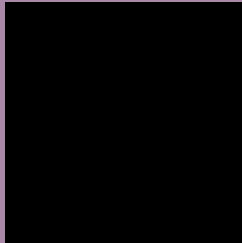
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3568, 28.9444, 40.4407

Background



This preview shows how black text looks on a background with the XYZ color 32.3568, 28.9444, 40.4407.



This preview shows how white text looks on a background with the XYZ color 32.3568, 28.9444,

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

32.3568, 28.9444, 40.4407

Protanopia

28.6527, 28.9306, 43.6092

Deuteranopia

29.6543, 29.0735, 40.1252



Tritanopia

30.8861, 28.9921, 32.8223

Trichromacy



Original Color

32.3568, 28.9444, 40.4407

Protanomaly

29.9726, 28.9617, 42.5385

Deuteranomaly

30.5591, 28.8803, 40.0402

Tritanomaly

31.4514, 29.0123, 35.3947

Monochromacy



Original Color

32.3568, 28.9444, 40.4407

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.0308, 29.8192, 35.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3568, 28.9444, 40.4407 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(170, 136, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 167)  
}
```

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(170, 136, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 167) }
```

Border

The CSS property to change the border of an element to XYZ 32.3568, 28.9444, 40.4407 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(170, 136, 167) }
```


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

```
.border{ border-color:rgb(170, 136, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 136, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 136, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 136,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3568, 28.9444, 40.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 167) }
```

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

```
.background{ background-color: rgb(170,  
136, 167) }
```

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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