

Converting Colors

XYZ(32.4604, 28.3192, 41.5769)

Have a look what the booklet for
XYZ(32.4604, 28.3192, 41.5769)
contains.

XYZ(32.4378, 28.3353, 41.7898)	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(32.4378, 28.3353,
41.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	AB85AA
RGB	171, 133, 170
RGB Percent	67%, 52%, 67%
CMY	0.3294, 0.4784, 0.3333
CMYK	0.00, 0.22, 0.01, 0.33
HSL	302°, 18%, 60%
HSV	302°, 22%, 67%
XYZ	32.4378, 28.3353, 41.7898
YIQ	148.5800, 10.7710, 19.5630

Conversions

Conversions Part 2

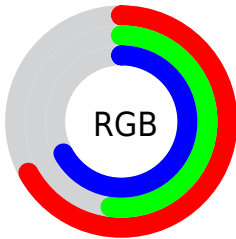
Format	Color
R_{YB}	171, 133, 170
Decimal	11240874
CIE _{Lab}	60.19, 21.01, -13.98
CIE _{LCh}	60, 25.235, 326.353
Yxy	28.3353, 0.3163, 0.2763
Android (android.graphics.Color)	4289430954 (0xFFAB85AA)
YUV	148.5800, 10.5601, 19.6623
Hunter-Lab	53.2309, 15.6201, -9.2849

Details

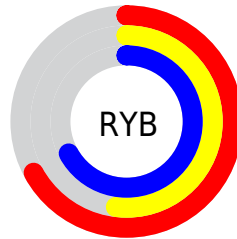
The XYZ color **32.4378, 28.3353, 41.7898** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.5400, 35.8344, 27.9683**, and the grayscale version is **28.3455, 29.8217, 32.4758**.

A 20% lighter version of the original color is **62.8281, 56.8849, 78.9027**, and **13.8345, 11.3461, 18.6004** is the 20% darker color. If you saturate the color by 10%, you get **30.2424, 24.0120, 40.8486**, and if you desaturate by 10%, it is **35.0162, 33.4234, 42.8600**.

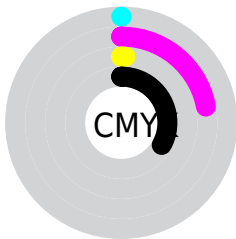
Distribution



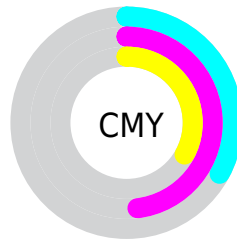
- Red (67%)
- Green (52%)
- Blue (67%)



- Red (67%)
- Yellow (52%)
- Blue (67%)



- Cyan (0%)
- Magenta (22%)
- Yellow (1%)
- Black (33%)




- Cyan (33%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4378, 28.3353, 41.7898 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 32.4378, 28.3353, 41.7898 by changing the saturation by 10% instead.


 32.4378, 28.3353,
41.7898


 32.4378, 28.3353,
41.7898


304.8187,
294.0657, 369.3848

 21.8533, 18.5786,
28.6124


 62.8574, 57.0193,
79.1480

 13.8651, 11.3662,
18.5447


 83.4231, 76.7154,
104.1660

 8.1080, 6.3137,
11.1683

 108.0467,
100.4934, 133.9678

 4.2165, 3.0367,
6.0646

137.0934,
128.7377, 168.9721

 1.8253, 1.1509,
2.8150

170.9286,
161.8326, 209.5974

 0.5329, 0.0211,
1.0009

209.9176,

 0.0000, 0.0000,

200.1627, 256.2623

0.0000

254.4259,
244.1122, 309.3852

■ 32.4378, 28.3353,
41.7898

■ 32.4378, 28.3353,
41.7898

■ 30.2424, 24.0120,
40.8486

■ 35.0162, 33.4234,
42.8600

■ 28.4090, 20.4130,
40.0284

■ 37.9922, 39.3069,
44.0632

■ 26.9185, 17.4995,
39.3233

■ 41.3828, 46.0193,
45.4053

■ 25.7490, 15.2279,
38.7259

■ 45.2032, 53.5911,
46.8914

■ 24.8762, 13.5494,
38.2281

■ 49.4678, 62.0512,
48.5262

■ 24.2722, 12.4083,
37.8207

■ 54.1905, 71.4271,
50.3145

■ 23.9038, 11.7382,
37.4924

■ 59.3844, 81.7453,
52.2606

■ 23.7237, 11.4296,
37.2731

■ 60.1560, 83.2185,
52.7333

■ 60.1998, 83.2360,
52.9641

Harmonies

Analogous

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



29.7828, 28.3353, 49.6849



32.4378, 28.3353, 41.7898



33.6150, 28.3353, 31.9972

Triad

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



32.4378, 28.3353, 41.7898



27.3287, 28.3353, 16.2924



21.7429, 28.3353, 39.4372

Complementary

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



32.4378, 28.3353, 41.7898



28.5400, 35.8344, 27.9683

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.



21.1990, 28.3353, 29.7351



32.4378, 28.3353, 41.7898



24.2689, 28.3353, 17.5050

Square

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



32.4378, 28.3353, 41.7898



30.5203, 28.3353, 18.2916



22.0871, 28.3353, 22.0121



23.6363, 28.3353, 48.1472

Rectangle

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



32.4378, 28.3353, 41.7898



33.3391, 28.3353, 26.1121



22.0871, 28.3353, 22.0121



21.4031, 28.3353, 36.1341

Sweetspot

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



32.4387, 28.3365, 41.7904



65.3368, 65.0470, 77.8270



25.5127, 24.7551, 41.9621



14.5027, 14.3720, 17.3284



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.



32.4387, 28.3365, 41.7904



55.9444, 46.5109, 73.9290



30.7988, 27.6806, 33.1553



8.3278, 8.1444, 10.0372



17.8872, 8.6174, 28.1149



0.5004, 0.2408, 0.7968

Inverse Universe

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



32.4387, 28.3365, 41.7904



55.9444, 46.5109, 73.9290



29.9563, 36.4009, 35.4267



8.3278, 8.1444, 10.0372



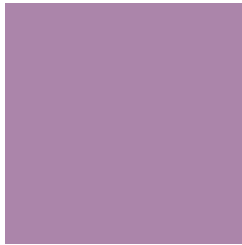
17.8872, 8.6174, 28.1149



0.5004, 0.2408, 0.7968

Previews

White Background



This preview shows how the XYZ color 32.4378, 28.3353, 41.7898 looks on a white background.

Color Contrast Check

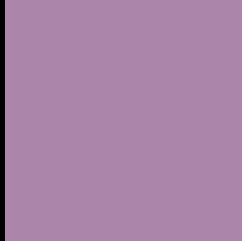
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4378, 28.3353, 41.7898 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 32.4378, 28.3353, 41.7898

Background



This preview shows how black text looks on a background with the XYZ color 32.4378, 28.3353, 41.7898.



This preview shows how white text looks on a background with the XYZ color 32.4378, 28.3353,

41.7898.

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

32.4378, 28.3353, 41.7898

Protanopia

28.3903, 28.5241, 45.6043

Deuteranopia

28.9536, 28.4691, 41.0148



Tritanopia

30.4394, 28.3543, 31.8856

Trichromacy



Original Color

32.4378, 28.3353, 41.7898

Protanomaly

29.5957, 28.2962, 43.9462

Deuteranomaly

30.1044, 28.3977, 41.4308

Tritanomaly

31.1671, 28.4436, 35.3000

Monochromacy



Original Color

32.4378, 28.3353, 41.7898

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.8129, 29.2473, 35.9723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4378, 28.3353, 41.7898 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(171, 133, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 133, 170)  
}
```

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(171, 133, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 133, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.4378, 28.3353, 41.7898 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(171, 133, 170) }
```


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

```
.border{ border-color:rgb(171, 133, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 133, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 133, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 133, 170);  
box-shadow:4px 4px 4px 4px rgb(171, 133,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4378, 28.3353, 41.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 133, 170) }
```

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

```
.background{ background-color: rgb(171,  
133, 170) }
```

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