

Converting Colors

XYZ(32.7814, 29.7083, 41.2248)

Have a look what the booklet for
XYZ(32.7814, 29.7083, 41.2248)
contains.

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Color

**XYZ(32.8781, 29.8384,
41.0723)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8BA8
RGB	170, 139, 168
RGB Percent	67%, 55%, 66%
CMY	0.3333, 0.4549, 0.3412
CMYK	0.00, 0.18, 0.01, 0.33
HSL	304°, 15%, 61%
HSV	304°, 18%, 67%
XYZ	32.8781, 29.8384, 41.0723
YIQ	151.5750, 9.1670, 15.5910

Conversions

Conversions Part 2

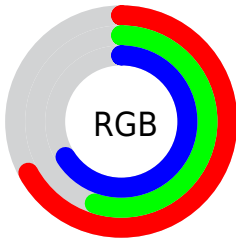
Format	Color
R_{YB}	170, 139, 168
Decimal	11176872
CIE _{Lab}	61.51, 16.87, -10.86
CIE _{LCh}	62, 20.068, 327.229
Yxy	29.8384, 0.3168, 0.2875
Android (android.graphics.Color)	4289366952 (0xFFAA8BA8)
YUV	151.5750, 8.0975, 16.1587
Hunter-Lab	54.6245, 11.8449, -6.3431

Details

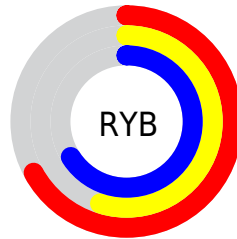
The XYZ color **32.8781, 29.8384, 41.0723** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.8311, 36.1625, 30.6088**, and the grayscale version is **29.6262, 31.1691, 33.9432**.

A 20% lighter version of the original color is **63.7533, 59.6364, 77.9629**, and **14.1960, 12.2573, 18.1407** is the 20% darker color. If you saturate the color by 10%, you get **30.5040, 25.2526, 39.7791**, and if you desaturate by 10%, it is **35.6376, 35.1927, 42.4990**.

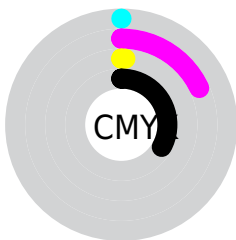
Distribution



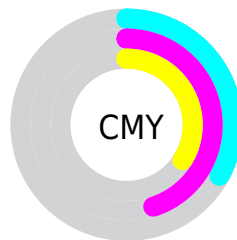
- Red (67%)
- Green (55%)
- Blue (66%)



- Red (67%)
- Yellow (55%)
- Blue (66%)



- Cyan (0%)
- Magenta (18%)
- Yellow (1%)
- Black (33%)




- Cyan (33%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8781, 29.8384, 41.0723 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 32.8781, 29.8384, 41.0723 by changing the saturation by 10% instead.


 32.8781, 29.8384,
41.0723

 32.8781, 29.8384,
41.0723

306.7748,
301.1505, 366.3083


 22.1919, 19.7160,
28.0555


 63.5411, 59.4065,
78.0485

 14.1153, 12.1887,
18.1281

 84.2486, 79.6210,
102.8449

 8.2832, 6.8724,
10.8716


 109.0272,
103.9683, 132.4050

 4.3300, 3.3824,
5.8675

138.2424,
132.8327, 167.1472

 1.8905, 1.3345,
2.6972

172.2593,
166.5988, 207.4901

 0.5713, 0.1677,
0.9420

211.4435,

 0.0000, 0.0000,

205.6508, 253.8522

0.0000

256.1602,
250.3733, 306.6521

■ 32.8781, 29.8384,
41.0723

■ 32.8781, 29.8384,
41.0723

■ 30.5040, 25.2526,
39.7791

■ 35.6376, 35.1927,
42.4990

■ 28.4950, 21.3961,
38.6114

■ 38.7964, 41.3445,
44.0626

■ 26.8330, 18.2322,
37.5637

■ 42.3708, 48.3263,
45.7691

■ 25.4972, 15.7194,
36.6289

■ 46.3756, 56.1675,
47.6233

■ 24.4647, 13.8118,
35.7994

■ 50.8247, 64.8959,
49.6300

■ 23.7095, 12.4575,
35.0666

■ 55.7316, 74.5383,
51.7935

■ 23.2013, 11.5959,
34.4204

■ 60.1428, 83.1882,
53.7961

■ 22.8879, 11.1224,
33.8432

■ 60.2516, 83.2317,
54.3689

■ 22.8385, 11.0504,
33.7436

■ 60.3613, 83.2756,
54.9464

Harmonies

Analogous

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



30.7635, 29.8384, 47.3176



32.8781, 29.8384, 41.0723



33.7772, 29.8384, 33.2017

Triad

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



32.8781, 29.8384, 41.0723



28.6083, 29.8384, 19.9535



24.0549, 29.8384, 39.6559

Complementary

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



32.8781, 29.8384, 41.0723



29.8311, 36.1625, 30.6088

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.



23.5563, 29.8384, 31.7864



32.8781, 29.8384, 41.0723



26.0860, 29.8384, 21.1355

Square

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



32.8781, 29.8384, 41.0723



31.2175, 29.8384, 21.6712



24.2769, 29.8384, 25.1934



25.6833, 29.8384, 46.4142

Rectangle

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



32.8781, 29.8384, 41.0723



33.5269, 29.8384, 28.3440



24.2769, 29.8384, 25.1934



23.7542, 29.8384, 37.0194

Sweetspot

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



32.8790, 29.8397, 41.0729



66.3814, 67.2017, 77.9729



27.3977, 26.9923, 41.7969



14.7185, 14.8213, 17.3459



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.



32.8790, 29.8397, 41.0729



57.7768, 50.5082, 73.5149



31.5569, 29.3109, 34.1108



7.8207, 7.6581, 9.3730



16.8078, 8.1318, 24.8633



0.4150, 0.2003, 0.6366

Inverse Universe

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



32.8790, 29.8397, 41.0729



57.7768, 50.5082, 73.5149



31.0283, 36.6414, 36.9129



7.8207, 7.6581, 9.3730



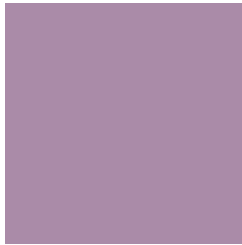
16.8078, 8.1318, 24.8633



0.4150, 0.2003, 0.6366

Previews

White Background



This preview shows how the XYZ color 32.8781, 29.8384, 41.0723 looks on a white background.

Color Contrast Check

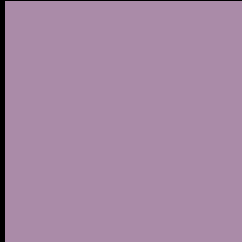
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8781, 29.8384, 41.0723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

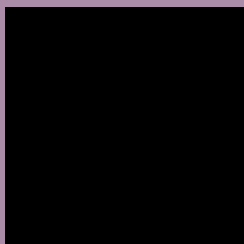
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8781, 29.8384, 41.0723

Background



This preview shows how black text looks on a background with the XYZ color 32.8781, 29.8384, 41.0723.



This preview shows how white text looks on a background with the XYZ color 32.8781, 29.8384,

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

32.8781, 29.8384, 41.0723

Protanopia

29.5753, 29.8527, 44.2478

Deuteranopia

30.6180, 30.0094, 40.7379



Tritanopia

31.5712, 29.9707, 34.2579

Trichromacy



Original Color

32.8781, 29.8384, 41.0723

Protanomaly

30.5565, 29.6974, 43.1514

Deuteranomaly

31.2947, 29.9085, 40.6827

Tritanomaly

32.0586, 29.9534, 36.4397

Monochromacy



Original Color

32.8781, 29.8384, 41.0723

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9033, 30.7070, 36.6460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8781, 29.8384, 41.0723 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, 139, 168)` looks like.

```
.text, #text, p{  
    color:rgb(170, 139, 168)  
}
```

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, 139, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 139, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.8781, 29.8384, 41.0723 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, 139, 168) }
```


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

```
.border{ border-color:rgb(170, 139, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 139, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 139, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 139, 168);  
box-shadow:4px 4px 4px 4px rgb(170, 139,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8781, 29.8384, 41.0723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 139, 168) }
```

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

```
.background{ background-color: rgb(170,  
139, 168) }
```

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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