

Converting Colors

XYZ(37.4228, 33.0243, 42.9300)

Have a look what the booklet for
XYZ(37.4228, 33.0243, 42.9300)
contains.

XYZ(37.4228, 33.0243, 42.9300)	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(37.4228, 33.0243,
42.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8FAB
RGB	186, 143, 171
RGB Percent	73%, 56%, 67%
CMY	0.2706, 0.4392, 0.3294
CMYK	0.00, 0.23, 0.08, 0.27
HSL	321°, 24%, 65%
HSV	321°, 23%, 73%
XYZ	37.4228, 33.0243, 42.9300
YIQ	159.0490, 16.6400, 17.8240

Conversions

Conversions Part 2

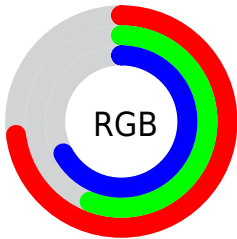
Format	Color
R _Y B	186, 143, 171
Decimal	12226475
CIE Lab	64.18, 20.86, -8.41
CIE LCh	64, 22.494, 338.038
Yxy	33.0243, 0.3301, 0.2913
Android (android.graphics.Color)	4290416555 (0xFFBA8FAB)
YUV	159.0490, 5.8918, 23.6360
Hunter-Lab	57.4668, 15.6737, -4.0653

Details

The XYZ color **37.4228, 33.0243, 42.9300** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.0594, 43.4269, 38.8841**, and the grayscale version is **32.9464, 34.6622, 37.7471**.

A 20% lighter version of the original color is **70.6559, 64.4782, 80.6731**, and **16.6726, 13.8917, 19.2554** is the 20% darker color. If you saturate the color by 10%, you get **34.2555, 27.6549, 38.8974**, and if you desaturate by 10%, it is **41.0854, 39.3346, 47.2783**.

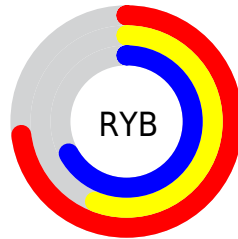
Distribution



Red (73%)

Green (56%)

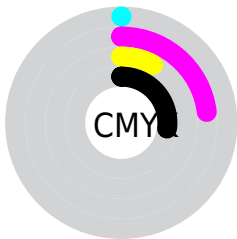
Blue (67%)



Red (73%)

Yellow (56%)

Blue (67%)

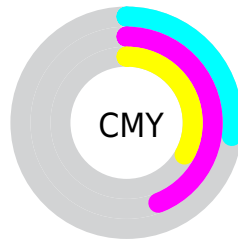


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (27%)



Cyan (27%)


Magenta (44%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4228, 33.0243, 42.9300 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 37.4228, 33.0243, 42.9300 by changing the saturation by 10% instead.


 37.4228, 33.0243,
42.9300


 37.4228, 33.0243,
42.9300

326.4612,
315.7592, 374.2366

 25.7102, 22.1451,
29.4992


 70.5322, 64.4135,
80.8904

 16.7385, 13.9635,
19.2100


 92.6597, 85.6922,
106.2572

 10.1424, 8.0953,
11.6437


118.9895,
111.2062, 136.4396

 5.5564, 4.1560,
6.3820

149.8871,
141.3399, 171.8563

 2.6154, 1.7612,
3.0062

185.7176,
176.4776, 212.9258

 0.9538, 0.4628,
1.0978

226.8466,

 0.0000, 0.0000,

217.0038, 260.0667

0.0000

273.6394,
263.3029, 313.6974

■ 37.4228, 33.0243,
42.9300

■ 37.4228, 33.0243,
42.9300

■ 34.2555, 27.6549,
38.8974

■ 41.0854, 39.3346,
47.2783

■ 31.5573, 23.1764,
35.1685

■ 45.2620, 46.6242,
51.9495

■ 29.3040, 19.5405,
31.7334

■ 49.9738, 54.9344,
56.9530

■ 27.4681, 16.6926,
28.5807

■ 55.2402, 64.3030,
62.2974

■ 26.0185, 14.5719,
25.6979

■ 61.0794, 74.7659,
67.9906

■ 24.9200, 13.1082,
23.0708

■ 67.5086, 86.3572,
74.0403

■ 24.1301, 12.2176,
20.6829

■ 68.4593, 86.9390,
78.4255

■ 23.7079, 11.8224,
19.1576

■ 69.3173, 87.2821,
82.9435

■ 70.2087, 87.6387,
87.6380

Harmonies

Analogous

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



35.3187, 33.0243, 51.6298



37.4228, 33.0243, 42.9300



37.8568, 33.0243, 33.5588

Triad

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



37.4228, 33.0243, 42.9300



30.5394, 33.0243, 21.2274



26.8047, 33.0243, 47.8943

Complementary

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



37.4228, 33.0243, 42.9300



35.0594, 43.4269, 38.8841

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.



25.7026, 33.0243, 38.4686



37.4228, 33.0243, 42.9300



27.7615, 33.0243, 23.8293

Square

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



37.4228, 33.0243, 42.9300



33.7370, 33.0243, 22.0119



26.0406, 33.0243, 29.7847



29.1518, 33.0243, 54.8171

Rectangle

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



37.4228, 33.0243, 42.9300



37.1149, 33.0243, 28.3220



26.0406, 33.0243, 29.7847



26.2838, 33.0243, 44.8559

Sweetspot

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



37.4238, 33.0258, 42.9307



78.8971, 79.0058, 90.7030



32.6565, 30.3935, 50.6001



17.2731, 17.2213, 19.8614



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.4238, 33.0258, 42.9307



64.6530, 54.4489, 73.8350



35.5918, 32.2930, 33.2835



9.2442, 9.1081, 10.6336



15.9863, 7.9683, 13.0806



0.5916, 0.2921, 0.6089

Inverse Universe

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



37.4238, 33.0258, 42.9307



64.6530, 54.4489, 73.8350



37.0075, 44.2061, 49.1423



9.2442, 9.1081, 10.6336



15.9863, 7.9683, 13.0806



0.5916, 0.2921, 0.6089

Previews

White Background



This preview shows how the XYZ color 37.4228, 33.0243, 42.9300 looks on a white background.

Color Contrast Check

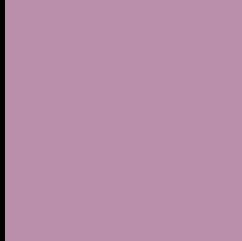
Large Text (above 18pt) WCAG AA × Fail

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 37.4228, 33.0243, 42.9300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

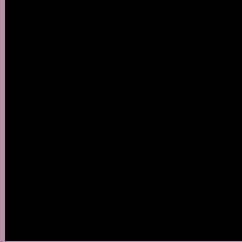
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4228, 33.0243, 42.9300

Background



This preview shows how black text looks on a background with the XYZ color 37.4228, 33.0243, 42.9300.



This preview shows how white text looks on a background with the XYZ color 37.4228, 33.0243,

42.9300.

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

37.4228, 33.0243, 42.9300

Protanopia

32.7061, 33.3324, 46.8295

Deuteranopia

33.7451, 32.9971, 42.1266



Tritanopia

35.9784, 32.8755, 36.3476

Trichromacy



Original Color

37.4228, 33.0243, 42.9300

Protanomaly

34.1143, 33.1209, 45.1524

Deuteranomaly

35.0792, 32.9663, 42.5445

Tritanomaly

36.5024, 32.8694, 38.6030

Monochromacy



Original Color

37.4228, 33.0243, 42.9300

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.3643, 33.8618, 39.3751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4228, 33.0243, 42.9300 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(186, 143, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 171)  
}
```

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(186, 143, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.4228, 33.0243, 42.9300 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(186, 143, 171) }
```


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

```
.border{ border-color:rgb(186, 143, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4228, 33.0243, 42.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 171) }
```

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

```
.background{ background-color: rgb(186,  
143, 171) }
```

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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