

Converting Colors

XYZ(33.5992, 24.7297, 42.4756)

Have a look what the booklet for
XYZ(33.5992, 24.7297, 42.4756)
contains.

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Color

**XYZ(33.6123, 24.7338,
42.5377)**

Conversions

Conversions Part 1

Format	Color
Hex	BB6EAD
RGB	187, 110, 173
RGB Percent	73%, 43%, 68%
CMY	0.2667, 0.5686, 0.3216
CMYK	0.00, 0.41, 0.07, 0.27
HSL	311°, 36%, 58%
HSV	311°, 41%, 73%
XYZ	33.6123, 24.7338, 42.5377
YIQ	140.2050, 25.6690, 35.9170

Conversions

Conversions Part 2

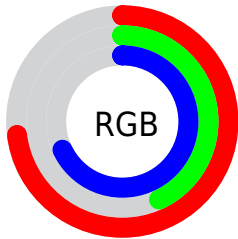
Format	Color
R _{YB}	187, 110, 173
Decimal	12283565
CIE Lab	56.82, 39.72, -20.66
CIE LCh	57, 44.777, 332.517
Yxy	24.7338, 0.3332, 0.2452
Android (android.graphics.Color)	4290473645 (0xFFBB6EAD)
YUV	140.2050, 16.1679, 41.0392
Hunter-Lab	49.7331, 33.6070, -15.8988

Details

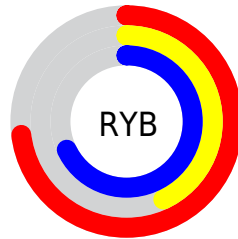
The XYZ color **33.6123, 24.7338, 42.5377** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.8399, 40.3117, 25.3841**, and the grayscale version is **24.9398, 26.2386, 28.5738**.

A 20% lighter version of the original color is **64.5483, 51.0846, 80.5870**, and **14.4698, 9.3895, 18.8190** is the 20% darker color. If you saturate the color by 10%, you get **31.4789, 20.9864, 40.2240**, and if you desaturate by 10%, it is **36.1814, 29.3382, 45.0385**.

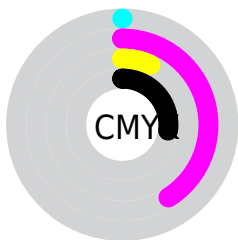
Distribution



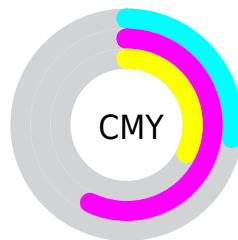
- Red (73%)
- Green (43%)
- Blue (68%)



- Red (73%)
- Yellow (43%)
- Blue (68%)



- Cyan (0%)
- Magenta (41%)
- Yellow (7%)
- Black (27%)





- Cyan (27%)
- Magenta (57%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6123, 24.7338, 42.5377 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 33.6123, 24.7338, 42.5377 by changing the saturation by 10% instead.

 33.6123, 24.7338,
42.5377


 33.6123, 24.7338,
42.5377


310.0163,
276.5096, 372.5723

 22.7574, 15.8788,
29.1938


 64.6786, 51.2250,
80.2916


 14.5342, 9.4385,
18.9807


 85.6207, 69.6301,
105.5388

 8.5773, 5.0283,
11.4796


 110.6560, 91.9873,
135.5908

 4.5214, 2.2639,
6.2722

 140.1497,
118.6811, 170.8661

 2.0011, 0.7545,
2.9398

174.4672,
150.0958, 211.7834

 0.6346, 0.0000,
1.0640

213.9739,

 0.0000, 0.0000,

186.6159, 258.7612

0.0000

259.0351,
228.6257, 312.2180

■ 33.6123, 24.7338,
42.5377

■ 33.6123, 24.7338,
42.5377

■ 31.4789, 20.9864,
40.2240

■ 36.1814, 29.3382,
45.0385

■ 29.7517, 18.0387,
38.0864

■ 39.2085, 34.8457,
47.7333

■ 28.4014, 15.8315,
36.1152

■ 42.7173, 41.3028,
50.6306

■ 27.3936, 14.2961,
34.2986

■ 46.7290, 48.7521,
53.7377

■ 26.6873, 13.3509,
32.6226

■ 51.2637, 57.2335,
57.0616

■ 26.2434, 12.8648,
31.2362

■ 56.3402, 66.7848,
60.6090

■ 61.9765, 77.4416,
64.3860

■ 66.7028, 86.2645,
67.9031

■ 67.1053, 86.4255,
70.0224

Harmonies

Analogous

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



29.3428, 24.7338, 59.2695



33.6123, 24.7338, 42.5377



35.0614, 24.7338, 25.6851

Triad

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



33.6123, 24.7338, 42.5377



23.0696, 24.7338, 7.1823



16.0042, 24.7338, 45.5805

Complementary

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



33.6123, 24.7338, 42.5377



27.8399, 40.3117, 25.3841

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.



14.8214, 24.7338, 28.2164



33.6123, 24.7338, 42.5377



18.5043, 24.7338, 9.2077

Square

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



33.6123, 24.7338, 42.5377



28.4644, 24.7338, 8.6027



15.6647, 24.7338, 15.7016



19.1645, 24.7338, 61.4366

Rectangle

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



33.6123, 24.7338, 42.5377



34.0820, 24.7338, 17.3343



15.6647, 24.7338, 15.7016



15.3853, 24.7338, 39.5421

Sweetspot

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



33.6131, 24.7349, 42.5382



75.8242, 72.7129, 90.1319



22.6913, 18.9397, 49.4741



16.5082, 15.6626, 19.6955



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.



33.6131, 24.7349, 42.5382



56.8616, 38.4263, 72.5937



30.4907, 23.4860, 26.0960



9.8535, 9.6657, 11.6176



18.1062, 8.8736, 21.6504



0.7290, 0.3555, 0.9519

Inverse Universe

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



33.6131, 24.7349, 42.5382



56.8616, 38.4263, 72.5937



30.6642, 41.4414, 40.2564



9.8535, 9.6657, 11.6176



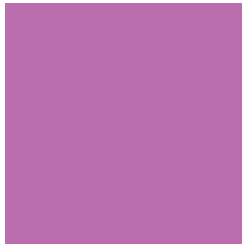
18.1062, 8.8736, 21.6504



0.7290, 0.3555, 0.9519

Previews

White Background



This preview shows how the XYZ color 33.6123, 24.7338, 42.5377 looks on a white background.

Color Contrast Check

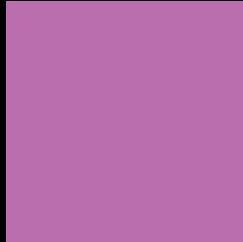
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6123, 24.7338, 42.5377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

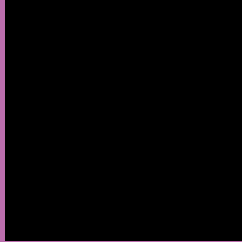
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6123, 24.7338, 42.5377

Background



This preview shows how black text looks on a background with the XYZ color 33.6123, 24.7338, 42.5377.



This preview shows how white text looks on a background with the XYZ color 33.6123, 24.7338,

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

33.6123, 24.7338, 42.5377

Protanopia

25.6757, 25.0115, 52.7647

Deuteranopia

25.5180, 24.9831, 41.0134



Tritanopia

29.7845, 24.6972, 23.6193

Trichromacy



Original Color

33.6123, 24.7338, 42.5377

Protanomaly

27.6142, 24.3117, 48.5846

Deuteranomaly

27.7262, 24.3418, 41.2673

Tritanomaly

31.0466, 24.6947, 29.5158

Monochromacy



Original Color

33.6123, 24.7338, 42.5377

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.4224, 25.1356, 33.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6123, 24.7338, 42.5377 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(187, 110, 173)` looks like.

```
.text, #text, p{  
    color:rgb(187, 110, 173)  
}
```

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(187, 110, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 110, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.6123, 24.7338, 42.5377 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(187, 110, 173) }
```


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

```
.border{ border-color:rgb(187, 110, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 110, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 110, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 110, 173);  
box-shadow:4px 4px 4px 4px rgb(187, 110,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6123, 24.7338, 42.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 110, 173) }
```

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

```
.background{ background-color: rgb(187,  
110, 173) }
```

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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