

Converting Colors

XYZ(33.7688, 25.3898, 42.1819)

Have a look what the booklet for
XYZ(33.7688, 25.3898, 42.1819)
contains.

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Color

**XYZ(33.6012, 25.2279,
42.1282)**

Conversions

Conversions Part 1

Format	Color
Hex	BA71AC
RGB	186, 113, 172
RGB Percent	73%, 44%, 67%
CMY	0.2706, 0.5568, 0.3255
CMYK	0.00, 0.39, 0.08, 0.27
HSL	312°, 35%, 59%
HSV	312°, 39%, 73%
XYZ	33.6012, 25.2279, 42.1282
YIQ	141.5530, 24.5690, 33.8250

Conversions

Conversions Part 2

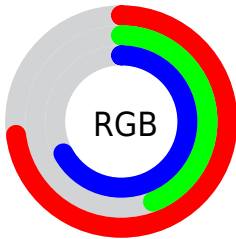
Format	Color
RYB	186, 113, 172
Decimal	12218796
CIELab	57.30, 37.61, -19.36
CIELCh	57, 42.300, 332.759
Yxy	25.2279, 0.3328, 0.2499
Android (android.graphics.Color)	4290408876 (0xFFBA71AC)
YUV	141.5530, 15.0104, 38.9800
Hunter-Lab	50.2274, 31.5153, -14.5703

Details

The XYZ color **33.6012, 25.2279, 42.1282** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.2008, 40.1616, 26.3459**, and the grayscale version is **25.4714, 26.7979, 29.1829**.

A 20% lighter version of the original color is **64.4635, 51.8732, 79.2880**, and **14.5277, 9.7364, 18.8829** is the 20% darker color. If you saturate the color by 10%, you get **31.3970, 21.3601, 39.7259**, and if you desaturate by 10%, it is **36.2414, 29.9522, 44.7218**.

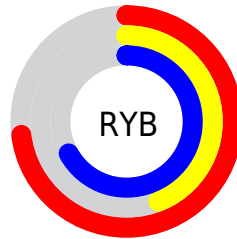
Distribution



Red (73%)

Green (44%)

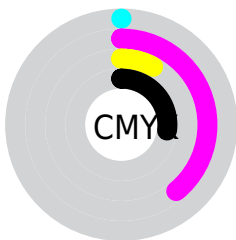
Blue (67%)



Red (73%)

Yellow (44%)

Blue (67%)

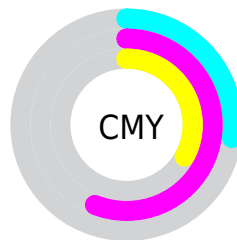


Cyan (0%)

Magenta (39%)

Yellow (8%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6012, 25.2279, 42.1282 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 33.6012, 25.2279, 42.1282 by changing the saturation by 10% instead.

 33.6012, 25.2279,
42.1282


 33.6012, 25.2279,
42.1282

309.9674,
278.9710, 370.8294


 22.7488, 16.2469,
28.8754


 64.6614, 52.0267,
79.6658


 14.5278, 9.6991,
18.7418


 85.6000, 70.6133,
104.7876

 8.5728, 5.1999,
11.3089


 110.6314, 93.1706,
134.7029

 4.5185, 2.3650,
6.1582

 140.1209,
120.0830, 169.8301

 1.9994, 0.8078,
2.8712

174.4339,
151.7348, 210.5879

 0.6336, 0.0000,
1.0292

213.9358,

 0.0000, 0.0000,

188.5105, 257.3946

0.0000

258.9918,
230.7944, 310.6690

■ 33.6012, 25.2279,
42.1282

■ 33.6012, 25.2279,
42.1282

■ 31.3970, 21.3601,
39.7259

■ 36.2414, 29.9522,
44.7218

■ 29.6002, 18.2929,
37.5041

■ 39.3393, 35.5774,
47.5134

■ 28.1825, 15.9695,
35.4534


■ 42.9179, 42.1491,
50.5113


■ 27.1109, 14.3238,
33.5624


■ 46.9979, 49.7085,
53.7227


■ 26.3465, 13.2782,
31.8177


■ 51.5989, 58.2948,
57.1546


 25.8183, 12.6910,
30.1954

 56.7393, 67.9447,
60.8134

 25.7813, 12.6518,
30.0757

 62.4368, 78.6932,
64.7052

 66.4984, 86.1546,
68.0995

 66.9218, 86.3240,
70.3291

Harmonies

Analogous

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



29.5765, 25.2279, 57.8075



33.6012, 25.2279, 42.1282



34.9424, 25.2279, 26.1626

Triad

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



33.6012, 25.2279, 42.1282



23.5178, 25.2279, 8.1023



16.7566, 25.2279, 45.2607

Complementary

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



33.6012, 25.2279, 42.1282



28.2008, 40.1616, 26.3459

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.



15.5874, 25.2279, 28.8179



33.6012, 25.2279, 42.1282



19.1353, 25.2279, 10.1893

Square

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



33.6012, 25.2279, 42.1282



28.6627, 25.2279, 9.5192



16.3942, 25.2279, 16.6786



19.8344, 25.2279, 60.0151

Rectangle

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



33.6012, 25.2279, 42.1282



34.0015, 25.2279, 18.1204



16.3942, 25.2279, 16.6786



16.1483, 25.2279, 39.5808

Sweetspot

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



33.6020, 25.2290, 42.1287



75.7819, 72.6960, 89.9093



23.4300, 19.8216, 49.0459



16.4979, 15.6585, 19.6414



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.



33.6020, 25.2290, 42.1287



57.4473, 39.6517, 72.6229



30.6080, 24.0315, 26.3626



9.3051, 9.1324, 10.9539



17.3710, 8.5222, 20.3723



0.6316, 0.3081, 0.8196

Inverse Universe

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



33.6020, 25.2290, 42.1287



57.4473, 39.6517, 72.6229



30.9703, 41.2694, 40.9300



9.3051, 9.1324, 10.9539



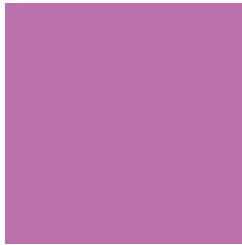
17.3710, 8.5222, 20.3723



0.6316, 0.3081, 0.8196

Previews

White Background



This preview shows how the XYZ color 33.6012, 25.2279, 42.1282 looks on a white background.

Color Contrast Check

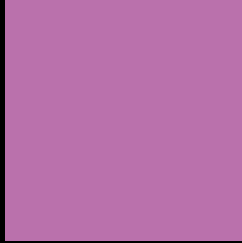
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6012, 25.2279, 42.1282 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 33.6012, 25.2279, 42.1282

Background



This preview shows how black text looks on a background with the XYZ color 33.6012, 25.2279, 42.1282.



This preview shows how white text looks on a background with the XYZ color 33.6012, 25.2279,

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

33.6012, 25.2279, 42.1282

Protanopia

26.0155, 25.4200, 51.6795

Deuteranopia

25.8852, 25.3893, 40.5821



Tritanopia

29.9902, 25.1372, 24.7440

Trichromacy



Original Color

33.6012, 25.2279, 42.1282

Protanomaly

27.9435, 24.8770, 48.1287

Deuteranomaly

28.0772, 24.9133, 40.8650

Tritanomaly

31.1952, 25.0995, 30.3946

Monochromacy



Original Color

33.6012, 25.2279, 42.1282

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.9666, 25.8016, 33.6432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6012, 25.2279, 42.1282 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, 113, 172)` looks like.

```
.text, #text, p{  
    color:rgb(186, 113, 172)  
}
```

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, 113, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 113, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.6012, 25.2279, 42.1282 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, 113, 172) }
```


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

```
.border{ border-color:rgb(186, 113, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 113, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 113, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 113, 172);  
box-shadow:4px 4px 4px 4px rgb(186, 113,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6012, 25.2279, 42.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 113, 172) }
```

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

```
.background{ background-color: rgb(186,  
113, 172) }
```

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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