

Converting Colors

XYZ(36.3039, 30.7658, 42.4730)

Have a look what the booklet for
XYZ(36.3039, 30.7658, 42.4730)
contains.

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Color

**XYZ(36.2644, 30.7073,
42.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	BA87AB
RGB	186, 135, 171
RGB Percent	73%, 53%, 67%
CMY	0.2706, 0.4706, 0.3294
CMYK	0.00, 0.27, 0.08, 0.27
HSL	318°, 27%, 63%
HSV	318°, 27%, 73%
XYZ	36.2644, 30.7073, 42.5438
YIQ	154.3530, 18.8400, 22.0080

Conversions

Conversions Part 2

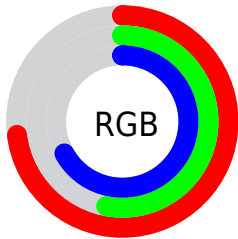
Format	Color
RYB	186, 135, 171
Decimal	12224427
CIELab	62.26, 25.32, -11.28
CIELCh	62, 27.721, 335.981
Yxy	30.7073, 0.3311, 0.2804
Android (android.graphics.Color)	4290414507 (0xFFBA87AB)
YUV	154.3530, 8.2070, 27.7544
Hunter-Lab	55.4142, 19.8400, -6.7295

Details

The XYZ color **36.2644, 30.7073, 42.5438** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.0569, 42.4717, 35.3117**, and the grayscale version is **30.8302, 32.4358, 35.3226**.

A 20% lighter version of the original color is **68.8872, 60.9409, 80.0835**, and **16.0940, 12.7344, 19.0625** is the 20% darker color. If you saturate the color by 10%, you get **33.3819, 25.7593, 39.0632**, and if you desaturate by 10%, it is **39.6237, 36.5734, 46.2905**.

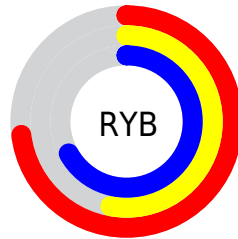
Distribution



Red (73%)

Green (53%)

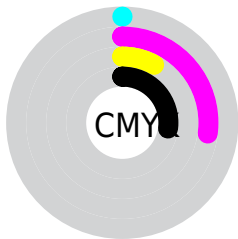
Blue (67%)



Red (73%)

Yellow (53%)

Blue (67%)

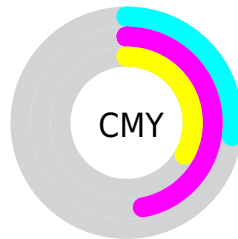


Cyan (0%)

Magenta (27%)

Yellow (8%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2644, 30.7073, 42.5438 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 36.2644, 30.7073, 42.5438 by changing the saturation by 10% instead.


 36.2644, 30.7073,
42.5438


 36.2644, 30.7073,
42.5438


321.5258,
305.1876, 372.5982


 24.8095, 20.3761,
29.1986


 68.7612, 60.7789,
80.3009

 16.0632, 12.6687,
18.9842


 90.5338, 81.2882,
105.5499

 9.6600, 7.2008,
11.4822


 116.4763,
105.9588, 135.6040

 5.2346, 3.5880,
6.2739

146.9542,
135.1753, 170.8816

 2.4218, 1.4459,
2.9409

182.3327,
169.3220, 211.8012

 0.8560, 0.2502,
1.0645

222.9773,

 0.0000, 0.0000,

208.7834, 258.7815

0.0000

269.2532,
253.9438, 312.2410

■ 36.2644, 30.7073,
42.5438

■ 36.2644, 30.7073,
42.5438

■ 33.3819, 25.7593,
39.0632

■ 39.6237, 36.5734,
46.2905

■ 30.9496, 21.6781,
35.8376

■ 43.4791, 43.3972,
50.3100

■ 28.9425, 18.4134,
32.8577

■ 47.8523, 51.2213,
54.6111

■ 27.3318, 15.9082,
30.1126

■ 52.7627, 60.0842,
59.2015

■ 26.0851, 14.0982,
27.5900

■ 58.2289, 70.0224,
64.0885

■ 25.1645, 12.9082,
25.2761

■ 64.2685, 81.0708,
69.2792

■ 24.5153, 12.2288,
23.1512

■ 67.5556, 86.5775,
73.6661

■ 24.3664, 12.0858,
22.6245

■ 68.2462, 86.8537,
77.3024

■ 68.9602, 87.1393,
81.0624

Harmonies

Analogous

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



33.6212, 30.7073, 53.0363



36.2644, 30.7073, 42.5438



36.9434, 30.7073, 31.3334

Triad

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



36.2644, 30.7073, 42.5438



28.4430, 30.7073, 16.8426



23.7424, 30.7073, 47.0622

Complementary

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



36.2644, 30.7073, 42.5438



33.0569, 42.4717, 35.3117

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.



22.5991, 30.7073, 35.6286



36.2644, 30.7073, 42.5438



25.1598, 30.7073, 19.3782

Square

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



36.2644, 30.7073, 42.5438



32.2142, 30.7073, 17.9235



23.0950, 30.7073, 25.7291



26.3545, 30.7073, 56.0109

Rectangle

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



36.2644, 30.7073, 42.5438



36.1442, 30.7073, 25.1957



23.0950, 30.7073, 25.7291



23.1842, 30.7073, 43.2994

Sweetspot

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



36.2653, 30.7087, 42.5444



78.2771, 77.7155, 90.6511



30.0049, 27.3066, 50.1443



16.9938, 16.6804, 19.7137



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.



36.2653, 30.7087, 42.5444



62.4298, 49.9712, 73.1904



34.1070, 29.8454, 31.1791



9.2653, 9.1165, 10.7445



16.4267, 8.1445, 15.3999



0.6047, 0.2974, 0.6780

Inverse Universe

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



36.2653, 30.7087, 42.5444



62.4298, 49.9712, 73.1904



35.2846, 43.3628, 47.0428



9.2653, 9.1165, 10.7445



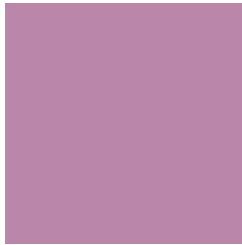
16.4267, 8.1445, 15.3999



0.6047, 0.2974, 0.6780

Previews

White Background



This preview shows how the XYZ color 36.2644, 30.7073, 42.5438 looks on a white background.

Color Contrast Check

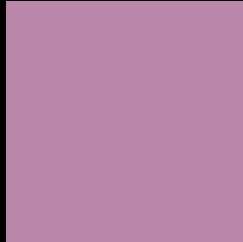
Large Text (above 18pt) WCAG AA × Fail

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 36.2644, 30.7073, 42.5438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

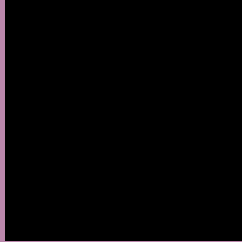
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2644, 30.7073, 42.5438

Background



This preview shows how black text looks on a background with the XYZ color 36.2644, 30.7073, 42.5438.



This preview shows how white text looks on a background with the XYZ color 36.2644, 30.7073,

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

36.2644, 30.7073, 42.5438

Protanopia

30.5895, 30.7604, 48.0412

Deuteranopia

31.4998, 30.9001, 41.8402



Tritanopia

34.2661, 30.7345, 32.9805

Trichromacy



Original Color

36.2644, 30.7073, 42.5438

Protanomaly

32.2071, 30.4918, 45.7830

Deuteranomaly

33.2266, 30.8720, 42.2379

Tritanomaly

35.0272, 30.8359, 36.4535

Monochromacy



Original Color

36.2644, 30.7073, 42.5438

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.5048, 31.5125, 37.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2644, 30.7073, 42.5438 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, 135, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 135, 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, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 135, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.2644, 30.7073, 42.5438 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, 135, 171) }
```


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

```
.border{ border-color:rgb(186, 135, 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, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 135,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2644, 30.7073, 42.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 135, 171) }
```

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

```
.background{ background-color: rgb(186,  
135, 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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