

Converting Colors

XYZ(33.3063, 30.2425, 42.6100)

Have a look what the booklet for
XYZ(33.3063, 30.2425, 42.6100)
contains.

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Color

**XYZ(33.3063, 30.2425,
42.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8CAB
RGB	170, 140, 171
RGB Percent	67%, 55%, 67%
CMY	0.3333, 0.4510, 0.3294
CMYK	0.01, 0.18, 0.00, 0.33
HSL	298°, 16%, 61%
HSV	298°, 18%, 67%
XYZ	33.3063, 30.2425, 42.6100
YIQ	152.5040, 7.9290, 16.0010

Conversions

Conversions Part 2

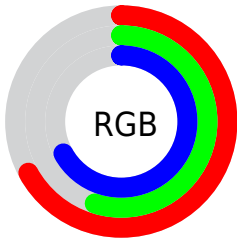
Format	Color
RYB	170, 140, 171
Decimal	11177131
CIELab	61.86, 16.89, -12.04
CIELCh	62, 20.744, 324.509
Yxy	30.2425, 0.3137, 0.2849
Android (android.graphics.Color)	4289367211 (0xFFAA8CAB)
YUV	152.5040, 9.1185, 15.3440
Hunter-Lab	54.9932, 11.8694, -7.4440

Details

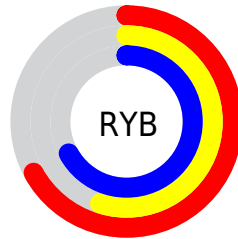
The XYZ color **33.3063, 30.2425, 42.6100** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.2822, 36.6828, 30.2970**, and the grayscale version is **30.0230, 31.5866, 34.3978**.

A 20% lighter version of the original color is **64.0706, 60.0821, 80.1716**, and **14.4572, 12.4958, 19.1027** is the 20% darker color. If you saturate the color by 10%, you get **30.8806, 25.5672, 41.8359**, and if you desaturate by 10%, it is **36.1226, 35.6973, 43.5149**.

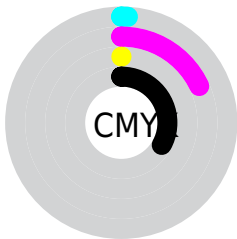
Distribution



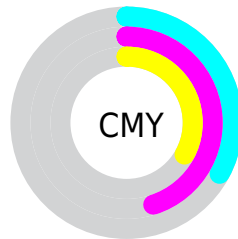
- Red (67%)
- Green (55%)
- Blue (67%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3063, 30.2425, 42.6100 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 33.3063, 30.2425, 42.6100 by changing the saturation by 10% instead.


 33.3063, 30.2425,
42.6100

 33.3063, 30.2425,
42.6100

308.6683,
303.0332, 372.8794


 22.5216, 20.0227,
29.2501

 64.2049, 60.0455,
80.4020

 14.3594, 12.4116,
19.0229


 85.0495, 80.3974,
105.6713

 8.4544, 7.0246,
11.5098


 109.9781,
104.8956, 135.7473

 4.4413, 3.4775,
6.2924

139.3560,
133.9244, 171.0488

 1.9547, 1.3858,
2.9520

173.5487,
167.8681, 211.9942

 0.6083, 0.2062,
1.0702

212.9213,

 0.0000, 0.0000,

207.1112, 259.0021

0.0000

257.8394,
252.0381, 312.4910

■ 33.3063, 30.2425,
42.6100

■ 33.3063, 30.2425,
42.6100

■ 30.8806, 25.5672,
41.8359

■ 36.1226, 35.6973,
43.5149

■ 28.8249, 21.6317,
41.1846

■ 39.3436, 41.9610,
44.5541

■ 27.1208, 18.3987,
40.6504

■ 42.9858, 49.0665,
45.7337

■ 25.7473, 15.8263,
40.2262

■ 47.0642, 57.0436,
47.0585

■ 24.6812, 13.8677,
39.9044

■ 51.5929, 65.9207,
48.5332

■ 23.8962, 12.4706,
39.6761

■ 56.5855, 75.7247,
50.1625

■ 23.3615, 11.5735,
39.5311

■ 60.5356, 83.4432,
51.4441

■ 23.0252, 11.0724,
39.4521

■ 60.6587, 83.5066,
51.4498

■ 22.9689, 10.9917,
39.4395

■ 60.7822, 83.5703,
51.4556

Harmonies

Analogous

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



31.0128, 30.2425, 48.8624



33.3063, 30.2425, 42.6100



34.3832, 30.2425, 34.4113

Triad

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



33.3063, 30.2425, 42.6100



29.2576, 30.2425, 19.9517



24.1625, 30.2425, 39.6757

Complementary

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



33.3063, 30.2425, 42.6100



30.2822, 36.6828, 30.2970

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.



23.7588, 30.2425, 31.4897



33.3063, 30.2425, 42.6100



26.5898, 30.2425, 20.9010

Square

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



33.3063, 30.2425, 42.6100



31.9514, 30.2425, 21.9985



24.6197, 30.2425, 24.8380



25.7599, 30.2425, 46.9866

Rectangle

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



33.3063, 30.2425, 42.6100



34.2195, 30.2425, 29.2509



24.6197, 30.2425, 24.8380



23.8872, 30.2425, 36.9031

Sweetspot

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



33.3072, 30.2438, 42.6107



66.3677, 67.1835, 78.4716



27.6970, 27.5769, 42.3916



14.7151, 14.8167, 17.4720



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.



33.3072, 30.2438, 42.6107



57.7152, 50.4282, 75.6936



32.2197, 29.8339, 35.7512



8.3112, 8.1347, 10.0848



17.3239, 8.2906, 29.7317



0.4897, 0.2346, 0.8275

Inverse Universe

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



30.9815, 29.3386, 29.2308



52.7304, 48.4897, 46.9409



31.2509, 37.0507, 36.2815



8.0153, 8.0194, 8.3915



12.6872, 6.5374, 0.7325



0.3563, 0.1832, 0.0378

Previews

White Background



This preview shows how the XYZ color 33.3063, 30.2425, 42.6100 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 33.3063, 30.2425, 42.6100 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 33.3063, 30.2425, 42.6100

Background



This preview shows how black text looks on a background with the XYZ color 33.3063, 30.2425, 42.6100.



This preview shows how white text looks on a background with the XYZ color 33.3063, 30.2425,

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

33.3063, 30.2425, 42.6100

Protanopia

30.0273, 30.2834, 45.8576

Deuteranopia

31.0522, 30.4286, 42.2669



Tritanopia

31.8036, 30.3028, 34.7447

Trichromacy



Original Color

33.3063, 30.2425, 42.6100

Protanomaly

31.0001, 30.1182, 44.7370

Deuteranomaly

31.7262, 30.3224, 42.2109

Tritanomaly

32.3804, 30.3191, 37.4032

Monochromacy



Original Color

33.3063, 30.2425, 42.6100

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.2331, 31.0888, 37.6123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3063, 30.2425, 42.6100 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, 140, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 140, 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(170, 140, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 140, 171) }
```

Border

The CSS property to change the border of an element to XYZ 33.3063, 30.2425, 42.6100 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, 140, 171) }
```


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

```
.border{ border-color:rgb(170, 140, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 140, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 140, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 140, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 140,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3063, 30.2425, 42.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 140, 171) }
```

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

```
.background{ background-color: rgb(170,  
140, 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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