

Converting Colors

XYZ(40.1690, 33.0243, 44.9148)

Have a look what the booklet for
XYZ(40.1690, 33.0243, 44.9148)
contains.

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Color

**XYZ(40.2367, 33.1286,
44.8312)**

Conversions

Conversions Part 1

Format	Color
Hex	C789AF
RGB	199, 137, 175
RGB Percent	78%, 54%, 69%
CMY	0.2196, 0.4627, 0.3137
CMYK	0.00, 0.31, 0.12, 0.22
HSL	323°, 36%, 66%
HSV	323°, 31%, 78%
XYZ	40.2367, 33.1286, 44.8312
YIQ	159.8700, 24.7540, 24.9620

Conversions

Conversions Part 2

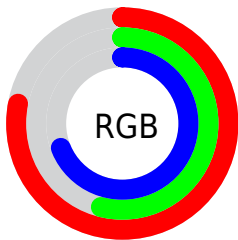
Format	Color
R_{YB}	199, 137, 175
Decimal	13076911
CIE _{Lab}	64.26, 29.46, -10.40
CIE _{LCh}	64, 31.245, 340.556
Yxy	33.1286, 0.3404, 0.2803
Android (android.graphics.Color)	4291266991 (0xFFC789AF)
YUV	159.8700, 7.4591, 34.3170
Hunter-Lab	57.5574, 24.0585, -5.8905

Details

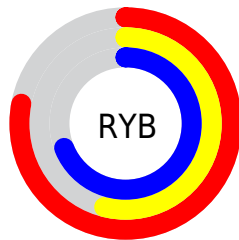
The XYZ color **40.2367, 33.1286, 44.8312** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.1744, 48.7393, 41.1687**, and the grayscale version is **33.3134, 35.0482, 38.1675**.

A 20% lighter version of the original color is **74.2946, 64.2911, 84.0950**, and **18.4045, 14.0149, 20.4740** is the 20% darker color. If you saturate the color by 10%, you get **36.9294, 27.6903, 40.1018**, and if you desaturate by 10%, it is **44.1108, 39.6306, 49.9633**.

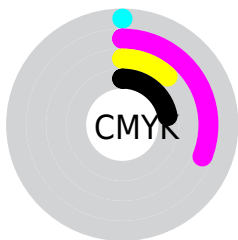
Distribution



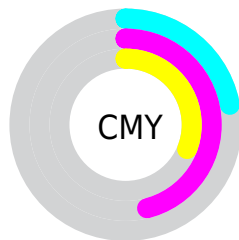
- Red (78%)
- Green (54%)
- Blue (69%)



- Red (78%)
- Yellow (54%)
- Blue (69%)



- Cyan (0%)
- Magenta (31%)
- Yellow (12%)
- Black (22%)





- Cyan (22%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2367, 33.1286, 44.8312 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 40.2367, 33.1286, 44.8312 by changing the saturation by 10% instead.


 40.2367, 33.1286,
44.8312

 40.2367, 33.1286,
44.8312

338.2376,
316.2288, 382.2297

 27.9082, 22.2250,
30.9825


 74.8059, 64.5763,
83.7828

 18.3966, 14.0223,
20.3272


 97.7772, 85.8891,
109.7228

 11.3365, 8.1362,
12.4467


 125.0269,
111.4404, 140.5303

 6.3626, 4.1822,
6.9224

156.9203,
141.6147, 176.6239

 3.1095, 1.7760,
3.3359

193.8226,
176.7963, 218.4221

 1.2119, 0.4722,
1.2686

236.0994,

 0.1158, 0.0000,

217.3695, 266.3434

0.0359

284.1159,
263.7189, 320.8064

■ 0.0000, 0.0000,
0.0000

■ 40.2367, 33.1286,
44.8312

■ 40.2367, 33.1286,
44.8312

■ 36.9294, 27.6903,
40.1018

■ 44.1108, 39.6306,
49.9633

■ 34.1567, 23.2533,
35.7596

■ 48.5760, 47.2451,
55.5085

■ 31.8871, 19.7561,
31.7911


■ 53.6587, 56.0233,
61.4793


■ 30.0849, 17.1279,
28.1805


■ 59.3828, 66.0119,
67.8870


■ 28.7090, 15.2883,
24.9105


■ 65.7708, 77.2550,
74.7423


 27.7111, 14.1412,
21.9608

 72.3943, 88.8946,
81.9054

 27.0640, 13.5464,
19.5888

 73.4460, 89.3153,
87.4438

 74.5455, 89.7551,
93.2336

 75.6933, 90.2142,
99.2780

Harmonies

Analogous

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



37.3666, 33.1286, 58.0006



40.2367, 33.1286, 44.8312



40.6410, 33.1286, 31.7782

Triad

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



40.2367, 33.1286, 44.8312



29.9506, 33.1286, 16.9894



25.4407, 33.1286, 54.4030

Complementary

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



40.2367, 33.1286, 44.8312



37.1744, 48.7393, 41.1687

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.



23.8237, 33.1286, 40.7349



40.2367, 33.1286, 44.8312



26.2603, 33.1286, 20.5107

Square

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



40.2367, 33.1286, 44.8312



34.4138, 33.1286, 17.5895



24.1089, 33.1286, 28.5342



28.7324, 33.1286, 64.3631

Rectangle

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



40.2367, 33.1286, 44.8312



39.4202, 33.1286, 25.0218



24.1089, 33.1286, 28.5342



24.6979, 33.1286, 49.9724

Sweetspot

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



40.2377, 33.1301, 44.8319



86.7630, 85.6623, 99.2434



33.9069, 29.5695, 57.9536



18.3026, 17.8739, 20.9207



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.2377, 33.1301, 44.8319



66.6410, 51.7144, 73.1257



37.5520, 32.0558, 30.6891



10.9024, 10.7443, 12.4693



17.4466, 8.7282, 12.8273



0.8608, 0.4272, 0.7901

Inverse Universe

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



40.2377, 33.1301, 44.8319



66.6410, 51.7144, 73.1257



40.2296, 49.9614, 57.2576



10.9024, 10.7443, 12.4693



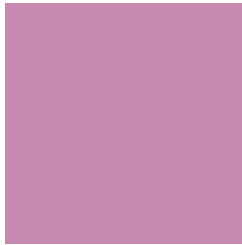
17.4466, 8.7282, 12.8273



0.8608, 0.4272, 0.7901

Previews

White Background



This preview shows how the XYZ color 40.2367, 33.1286, 44.8312 looks on a white background.

Color Contrast Check

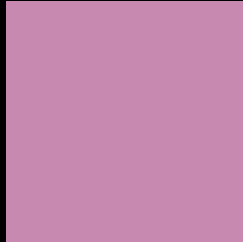
Large Text (above 18pt) WCAG AA × Fail

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 40.2367, 33.1286, 44.8312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

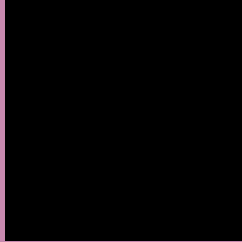
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2367, 33.1286, 44.8312

Background



This preview shows how black text looks on a background with the XYZ color 40.2367, 33.1286, 44.8312.



This preview shows how white text looks on a background with the XYZ color 40.2367, 33.1286,

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

40.2367, 33.1286, 44.8312

Protanopia

33.0854, 33.4201, 51.7206

Deuteranopia

33.9845, 33.3275, 43.6714



Tritanopia

37.9573, 33.0525, 34.0850

Trichromacy



Original Color

40.2367, 33.1286, 44.8312

Protanomaly

35.0735, 32.8142, 49.2849

Deuteranomaly

36.1080, 33.2317, 44.0464

Tritanomaly

38.7492, 33.1645, 37.6168

Monochromacy



Original Color

40.2367, 33.1286, 44.8312

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.4753, 34.1718, 40.3234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2367, 33.1286, 44.8312 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(199, 137, 175)` looks like.

```
.text, #text, p{  
    color:rgb(199, 137, 175)  
}
```

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(199, 137, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 137, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.2367, 33.1286, 44.8312 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(199, 137, 175) }
```


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

```
.border{ border-color:rgb(199, 137, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 137, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 137, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 137, 175);  
box-shadow:4px 4px 4px 4px rgb(199, 137,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2367, 33.1286, 44.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 137, 175) }
```

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

```
.background{ background-color: rgb(199,  
137, 175) }
```

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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