

Converting Colors

$Y_{xy}(42.3672, 0.3234, 0.2978)$

Have a look what the booklet for
Yxy(42.3672, 0.3234, 0.2978)
contains.

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Color

Yxy(42.3672, 0.3234, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	C7A4BD
RGB	199, 164, 189
RGB Percent	78%, 64%, 74%
CMY	0.2197, 0.3568, 0.2589
CMYK	0.00, 0.18, 0.05, 0.22
HSL	317°, 24%, 71%
HSV	317°, 18%, 78%
XYZ	46.0092, 42.3672, 53.8909
YIQ	177.3150, 12.8350, 15.1950

Conversions

Conversions Part 2

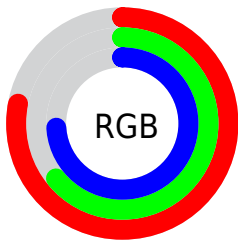
Format	Color
R _{YB}	199, 164, 189
Decimal	13083837
CIE Lab	71.12, 17.06, -7.99
CIE LCh	71, 18.837, 334.900
Yxy	42.3672, 0.3234, 0.2978
Android (android.graphics.Color)	4291273917 (0xFFC7A4BD)
YUV	177.3150, 5.7607, 19.0177
Hunter-Lab	65.0901, 12.2659, -3.5256

Details

The Yxy color **42.3672, 0.3234, 0.2978** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.7886, 0.3035, 0.3624**, and the grayscale version is **44.1047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5156, 0.3210, 0.3035**, and **19.3857, 0.3262, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **35.5527, 0.3309, 0.2793**, and if you desaturate by 10%, it is **50.3094, 0.3169, 0.3159**.

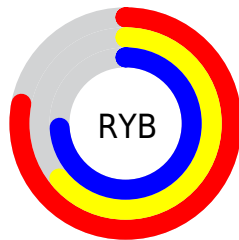
Distribution



Red (78%)

Green (64%)

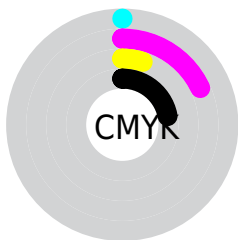
Blue (74%)



Red (78%)

Yellow (64%)

Blue (74%)

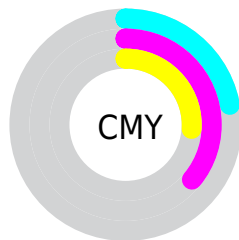


Cyan (0%)

Magenta (18%)

Yellow (5%)

Black (22%)



Cyan (22%)


Magenta (36%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3672, 0.3234, 0.2978 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 Yxy color 42.3672, 0.3234, 0.2978 by changing the saturation by 10% instead.


 42.3672, 0.3234,
0.2978

 42.3672, 0.3234,
0.2978


356.0029, 0.3182,
0.3133

 29.3889, 0.3247,
0.2940


 78.7551, 0.3215,
0.3034

 19.3752, 0.3263,
0.2891

 102.9334, 0.3208,
0.3055

 11.9417, 0.3284,
0.2827


131.6140, 0.3202,
0.3073

 6.7040, 0.3314,
0.2737

165.1811, 0.3197,
0.3088

 3.2777, 0.3356,
0.2606

204.0191, 0.3192,
0.3101

 1.2784, 0.3423,
0.2394

248.5125, 0.3188,

 0.1244, 0.3951,

0.3113

0.0919

299.0456, 0.3185,
0.3123

0.0000, 0.0000,
0.0000

42.3672, 0.3234,
0.2978

42.3672, 0.3234,
0.2978

35.5527, 0.3309,
0.2793

50.3094, 0.3169,
0.3159

29.8085, 0.3395,
0.2610

59.4220, 0.3115,
0.3331

25.0806, 0.3493,
0.2435

69.7526, 0.3068,
0.3493

21.3081, 0.3600,
0.2279

81.3442, 0.3030,
0.3644

18.4235, 0.3715,
0.2152

88.6911, 0.2997,
0.3698

■ 16.3503, 0.3834,
0.2063

■ 88.9929, 0.2967,
0.3634

■ 14.9993, 0.3953,
0.2022

■ 89.3049, 0.2936,
0.3571

■ 14.2430, 0.4070,
0.2027

■ 89.6274, 0.2906,
0.3509

■ 14.0965, 0.4098,
0.2031

■ 89.9603, 0.2876,
0.3447

Harmonies

Analogous

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



42.3672, 0.2960, 0.2861



42.3672, 0.3234, 0.2978



42.3672, 0.3488, 0.3170

Triad

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



42.3672, 0.3234, 0.2978



42.3672, 0.3517, 0.3748



42.3672, 0.2636, 0.3146

Complementary

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



42.3672, 0.3234, 0.2978



51.7886, 0.3035, 0.3624

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.



42.3672, 0.2773, 0.3402



42.3672, 0.3234, 0.2978



42.3672, 0.3278, 0.3763

Square

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



42.3672, 0.3234, 0.2978



42.3672, 0.3654, 0.3609



42.3672, 0.3005, 0.3635



42.3672, 0.2625, 0.2946

Rectangle

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



42.3672, 0.3234, 0.2978



42.3672, 0.3607, 0.3321



42.3672, 0.3005, 0.3635



42.3672, 0.2669, 0.3229

Sweetspot

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



42.3691, 0.3234, 0.2978



91.9008, 0.3155, 0.3203



39.6680, 0.2926, 0.2829



19.4361, 0.3159, 0.3190



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.3691, 0.3234, 0.2978



69.5168, 0.3261, 0.2909



41.6582, 0.3391, 0.3194



10.7629, 0.3180, 0.3126



9.0819, 0.4083, 0.2023



0.4421, 0.3860, 0.1900

Inverse Universe

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



42.3691, 0.3234, 0.2978



69.5168, 0.3261, 0.2909



52.5118, 0.2915, 0.3388



10.7629, 0.3180, 0.3126



9.0819, 0.4083, 0.2023



0.4421, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 42.3672, 0.3234, 0.2978 looks on a white background.

Color Contrast Check

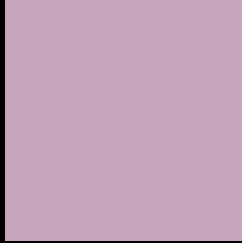
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.3672, 0.3234, 0.2978 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](#).

Yxy 42.3672, 0.3234, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 42.3672, 0.3234, 0.2978.



This preview shows how white text looks on a background with the Yxy color 42.3672, 0.3234, 0.2978.

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

42.3672, 0.3234, 0.2978

Protanopia

42.4852, 0.2935, 0.2998

Deuteranopia

42.3211, 0.3112, 0.3043



Tritanopia

42.5329, 0.3311, 0.3126

Trichromacy



Original Color

42.3672, 0.3234, 0.2978

Protanomaly

42.4235, 0.3035, 0.2991

Deuteranomaly

42.2154, 0.3158, 0.3021

Tritanomaly

42.3349, 0.3277, 0.3063

Monochromacy



Original Color

42.3672, 0.3234, 0.2978

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.1555, 0.3168, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3672, 0.3234, 0.2978 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, 164, 189)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 189)  
}
```

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, 164, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 189) }
```

Border

The CSS property to change the border of an element to Yxy 42.3672, 0.3234, 0.2978 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, 164, 189) }
```

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

```
.border{ border-color:rgb(199, 164, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 164, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 189);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3672, 0.3234, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 189) }
```

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

```
.background{ background-color: rgb(199,  
164, 189) }
```

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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