

Converting Colors

$Y_{xy}(42.1102, 0.3007, 0.2811)$

Have a look what the booklet for
Yxy(42.1102, 0.3007, 0.2811)
contains.

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Color

Yxy(42.3234, 0.3008, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	BCA6CC
RGB	188, 166, 204
RGB Percent	74%, 65%, 80%
CMY	0.2628, 0.3490, 0.2000
CMYK	0.08, 0.19, 0.00, 0.20
HSL	275°, 27%, 73%
HSV	275°, 19%, 80%
XYZ	45.2734, 42.3234, 62.9132
YIQ	176.9100, 0.9140, 16.4820

Conversions

Conversions Part 2

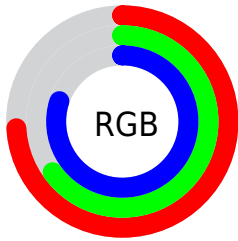
Format	Color
R _{YB}	188, 166, 204
Decimal	12363468
CIE Lab	71.09, 15.08, -16.42
CIE LCh	71, 22.296, 312.571
Yxy	42.3234, 0.3008, 0.2812
Android (android.graphics.Color)	4290553548 (0xFFBCA6CC)
YUV	176.9100, 13.3554, 9.7259
Hunter-Lab	65.0564, 10.3711, -11.7972

Details

The Yxy color $42.3234, 0.3008, 0.2812$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $55.8895, 0.3228, 0.3776$, and the grayscale version is $43.8457, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1660, 0.3067, 0.2952$, and $19.3875, 0.2973, 0.2679$ is the 20% darker color. If you saturate the color by 10%, you get $34.4274, 0.2929, 0.2533$, and if you desaturate by 10%, it is $51.4645, 0.3076, 0.3077$.

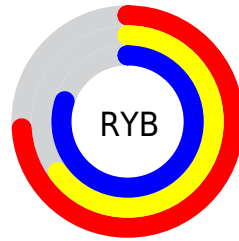
Distribution



Red (74%)

Green (65%)

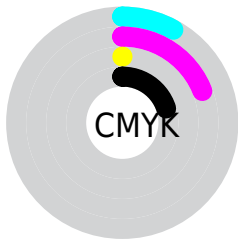
Blue (80%)



Red (74%)

Yellow (65%)

Blue (80%)

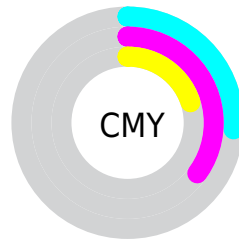


Cyan (8%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (26%)


Magenta (35%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3234, 0.3008, 0.2812 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 42.3234, 0.3008, 0.2812 by changing the saturation by 10% instead.

 42.3234, 0.3008,
0.2812

 42.3234, 0.3008,
0.2812


355.8218, 0.3071,
0.3047

 29.3546, 0.2991,
0.2755


 78.6888, 0.3032,
0.2896

 19.3492, 0.2969,
0.2682


 102.8543, 0.3040,
0.2928

 11.9229, 0.2939,
0.2587


131.5207, 0.3048,
0.2955

 6.6912, 0.2895,
0.2457

165.0726, 0.3054,
0.2979

 3.2697, 0.2827,
0.2269

203.8942, 0.3059,
0.2999

 1.2741, 0.2706,
0.1978

248.3700, 0.3064,

 0.1210, 0.2517,

0.3017

0.0631

298.8844, 0.3068,
0.3033

0.0000, 0.0000,
0.0000

42.3234, 0.3008,
0.2812

42.3234, 0.3008,
0.2812

34.4274, 0.2929,
0.2533

51.4645, 0.3076,
0.3077

27.7147, 0.2838,
0.2247

61.8980, 0.3135,
0.3323

22.1261, 0.2738,
0.1962

73.6755, 0.3183,
0.3548

17.5950, 0.2629,
0.1691

86.8440, 0.3223,
0.3753

14.0479, 0.2516,
0.1448

92.8649, 0.3272,
0.3816

■ 11.4009, 0.2403,
0.1245

■ 94.3305, 0.3328,
0.3807

■ 9.5559, 0.2294,
0.1091

■ 95.8673, 0.3384,
0.3798

■ 8.3584, 0.2192,
0.0987

■ 97.1399, 0.3430,
0.3790

■ 8.2144, 0.2179,
0.0974

Harmonies

Analogous

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



42.3234, 0.2727, 0.2761



42.3234, 0.3008, 0.2812



42.3234, 0.3335, 0.2974

Triad

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



42.3234, 0.3008, 0.2812



42.3234, 0.3724, 0.3717



42.3234, 0.2655, 0.3342

Complementary

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



42.3234, 0.3008, 0.2812



55.8895, 0.3228, 0.3776

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.



42.3234, 0.2904, 0.3639



42.3234, 0.3008, 0.2812



42.3234, 0.3523, 0.3854

Square

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



42.3234, 0.3008, 0.2812



42.3234, 0.3761, 0.3480



42.3234, 0.3220, 0.3832



42.3234, 0.2532, 0.3047

Rectangle

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



42.3234, 0.3008, 0.2812



42.3234, 0.3534, 0.3128



42.3234, 0.3220, 0.3832



42.3234, 0.2726, 0.3446

Sweetspot

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



42.3252, 0.3008, 0.2812



89.4213, 0.3092, 0.3141



46.1175, 0.2834, 0.3008



18.9038, 0.3088, 0.3124



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.



42.3252, 0.3008, 0.2812



65.0698, 0.2980, 0.2711



44.3523, 0.3170, 0.2861



11.1591, 0.3072, 0.3057



5.2257, 0.2192, 0.0981



0.3136, 0.2387, 0.1089

Inverse Universe

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



43.4911, 0.3340, 0.3092



67.3637, 0.3392, 0.3051



54.1437, 0.3086, 0.3760



11.2908, 0.3225, 0.3193



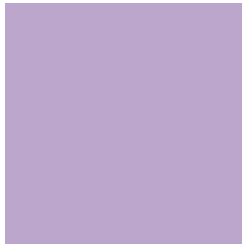
8.5202, 0.5271, 0.2677



0.4546, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 42.3234, 0.3008, 0.2812 looks on a white background.

Color Contrast Check

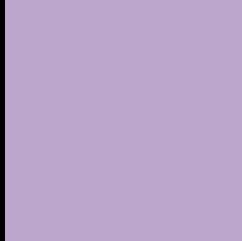
Large Text (above 18pt) WCAG AA × Fail

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 42.3234, 0.3008, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

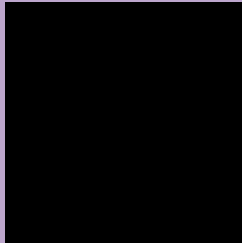
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3234, 0.3008, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 42.3234, 0.3008, 0.2812.



This preview shows how white text looks on a background with the Yxy color 42.3234, 0.3008, 0.2812.

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

42.3234, 0.3008, 0.2812

Protanopia

42.6567, 0.2806, 0.2832

Deuteranopia

42.4084, 0.2923, 0.2864



Tritanopia

42.4826, 0.3153, 0.3120

Trichromacy



Original Color

42.3234, 0.3008, 0.2812

Protanomaly

42.3684, 0.2876, 0.2813

Deuteranomaly

42.5115, 0.2956, 0.2855

Tritanomaly

42.5766, 0.3096, 0.3006

Monochromacy



Original Color

42.3234, 0.3008, 0.2812

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.2988, 0.3083, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3234, 0.3008, 0.2812 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(188, 166, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 166, 204)  
}
```

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(188, 166, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 166, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.3234, 0.3008, 0.2812 is called "border". The border property can be set on classes, ids or directly on the HTML element.

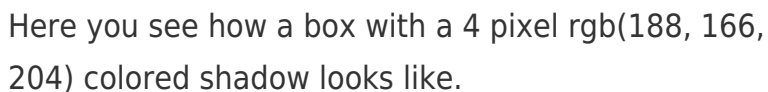
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 166, 204) }
```

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

```
.border{ border-color:rgb(188, 166, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 166, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 166, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 166, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 166,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3234, 0.3008, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 166, 204) }
```

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

```
.background{ background-color: rgb(188,  
166, 204) }
```

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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