

Converting Colors

$Y_{xy}(32.8516, 0.2955, 0.2427)$

Have a look what the booklet for
Yxy(32.8516, 0.2955, 0.2427)
contains.

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Color

Yxy(32.8235, 0.2953, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	B88ACE
RGB	184, 138, 206
RGB Percent	72%, 54%, 81%
CMY	0.2783, 0.4589, 0.1920
CMYK	0.11, 0.33, 0.00, 0.19
HSL	281°, 41%, 67%
HSV	281°, 33%, 81%
XYZ	40.0032, 32.8235, 62.6396
YIQ	159.5060, 5.5880, 30.9000

Conversions

Conversions Part 2

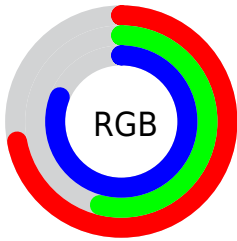
Format	Color
RYB	184, 138, 206
Decimal	12094158
CIELab	64.02, 29.80, -28.38
CIElCh	64, 41.150, 316.402
Yxy	32.8235, 0.2953, 0.2423
Android (android.graphics.Color)	4290284238 (0xFFB88ACE)
YUV	159.5060, 22.9215, 21.4812
Hunter-Lab	57.2918, 24.3746, -24.7201

Details

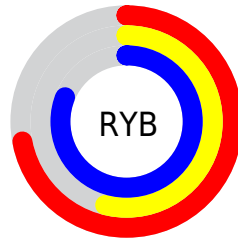
The Yxy color **32.8235, 0.2953, 0.2423** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.4660, 0.3246, 0.4216**, and the grayscale version is **34.8072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6200, 0.3051, 0.2653**, and **13.7966, 0.2890, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **26.6599, 0.2882, 0.2148**, and if you desaturate by 10%, it is **40.1500, 0.3016, 0.2698**.

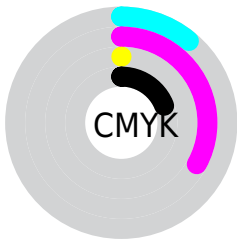
Distribution



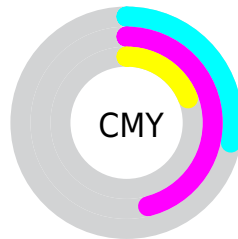
- Red (72%)
- Green (54%)
- Blue (81%)



- Red (72%)
- Yellow (54%)
- Blue (81%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)





- Cyan (28%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8235, 0.2953, 0.2423 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 32.8235, 0.2953, 0.2423 by changing the saturation by 10% instead.


 32.8235, 0.2953,
0.2423


 32.8235, 0.2953,
0.2423


314.8537, 0.3054,
0.2851

 21.9913, 0.2924,
0.2319


 64.0999, 0.2993,
0.2577

 13.8505, 0.2884,
0.2188


 85.3128, 0.3007,
0.2635

 8.0167, 0.2827,
0.2017

 110.7548, 0.3018,
0.2684

 4.1057, 0.2741,
0.1788

140.8101, 0.3028,
0.2727

 1.7328, 0.2599,
0.1468

175.8633, 0.3036,
0.2764

 0.4448, 0.2370,
0.0886

216.2987, 0.3043,

 0.0000, 0.0704,

0.2796

0.0000

262.5007, 0.3049,
0.2825

0.0000, 0.0000,
0.0000

32.8235, 0.2953,
0.2423

32.8235, 0.2953,
0.2423

26.6599, 0.2882,
0.2148

40.1500, 0.3016,
0.2698

21.5909, 0.2803,
0.1884

48.6942, 0.3069,
0.2964

17.5474, 0.2719,
0.1642

58.5127, 0.3115,
0.3217

14.4504, 0.2631,
0.1434


69.6570, 0.3153,
0.3452


12.2093, 0.2543,
0.1270


82.1758, 0.3184,
0.3668


 10.7148, 0.2458,
0.1155

 91.8263, 0.3215,
0.3802

 9.9806, 0.2401,
0.1096

 92.9121, 0.3258,
0.3795

 94.0401, 0.3301,
0.3788

 95.2108, 0.3345,
0.3782

Harmonies

Analogous

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



32.8235, 0.2404, 0.2290



32.8235, 0.2953, 0.2423



32.8235, 0.3614, 0.2736

Triad

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



32.8235, 0.2953, 0.2423



32.8235, 0.4263, 0.4128



32.8235, 0.2166, 0.3281

Complementary

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



32.8235, 0.2953, 0.2423



53.4660, 0.3246, 0.4216

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.



32.8235, 0.2593, 0.3949



32.8235, 0.2953, 0.2423



32.8235, 0.3805, 0.4437

Square

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



32.8235, 0.2953, 0.2423



32.8235, 0.4414, 0.3664



32.8235, 0.3192, 0.4404



32.8235, 0.1990, 0.2708

Rectangle

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



32.8235, 0.2953, 0.2423



32.8235, 0.4014, 0.3018



32.8235, 0.3192, 0.4404



32.8235, 0.2282, 0.3506

Sweetspot

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



32.8249, 0.2953, 0.2423



83.2649, 0.3083, 0.3039



35.2347, 0.2581, 0.2650



17.3558, 0.3077, 0.3003



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.



32.8249, 0.2953, 0.2423



45.5335, 0.2901, 0.2217



35.2264, 0.3274, 0.2600



11.2148, 0.3087, 0.3058



6.1979, 0.2413, 0.1103



0.3596, 0.2572, 0.1191

Inverse Universe

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



33.8381, 0.3639, 0.3011



47.5873, 0.3808, 0.2947



51.7409, 0.3009, 0.4096



11.2725, 0.3240, 0.3215



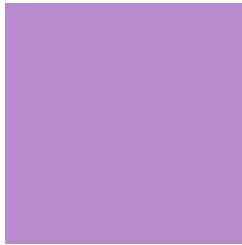
8.3427, 0.5657, 0.2890



0.4443, 0.5097, 0.2582

Previews

White Background



This preview shows how the Yxy color 32.8235, 0.2953, 0.2423 looks on a white background.

Color Contrast Check

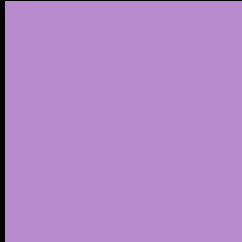
Large Text (above 18pt) WCAG AA × Fail

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 32.8235, 0.2953, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

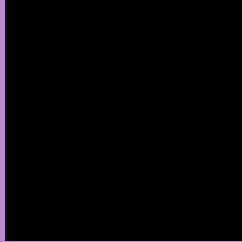
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8235, 0.2953, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 32.8235, 0.2953, 0.2423.



This preview shows how white text looks on a background with the Yxy color 32.8235, 0.2953, 0.2423.

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

32.8235, 0.2953, 0.2423

Protanopia

33.0787, 0.2475, 0.2394

Deuteranopia

33.1140, 0.2643, 0.2586



Tritanopia

32.7178, 0.3322, 0.3121

Trichromacy



Original Color

32.8235, 0.2953, 0.2423

Protanomaly

32.8072, 0.2623, 0.2399

Deuteranomaly

32.9104, 0.2747, 0.2526

Tritanomaly

32.7844, 0.3189, 0.2854

Monochromacy



Original Color

32.8235, 0.2953, 0.2423

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.0658, 0.3066, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8235, 0.2953, 0.2423 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(184, 138, 206)` looks like.

```
.text, #text, p{  
    color:rgb(184, 138, 206)  
}
```

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(184, 138, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 138, 206) }
```

Border

The CSS property to change the border of an element to Yxy 32.8235, 0.2953, 0.2423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

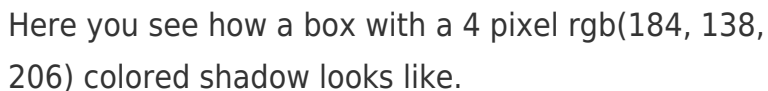
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 138, 206) }
```

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

```
.border{ border-color:rgb(184, 138, 206) }
```

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



Here you see how a box with a 4 pixel rgb(184, 138, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 138, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 138, 206);  
box-shadow:4px 4px 4px 4px rgb(184, 138,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8235, 0.2953, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 138, 206) }
```

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

```
.background{ background-color: rgb(184,  
138, 206) }
```

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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