

Converting Colors

$Y_{xy}(32.8497, 0.2852, 0.2441)$

Have a look what the booklet for
Yxy(32.8497, 0.2852, 0.2441)
contains.

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Color

Yxy(32.8497, 0.2852, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	AE8ECF
RGB	174, 142, 207
RGB Percent	68%, 56%, 81%
CMY	0.3179, 0.4430, 0.1883
CMYK	0.16, 0.31, 0.00, 0.19
HSL	269°, 40%, 68%
HSV	269°, 31%, 81%
XYZ	38.3807, 32.8497, 63.3443
YIQ	158.9780, -1.7930, 26.9990

Conversions

Conversions Part 2

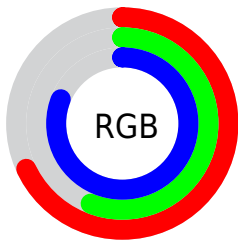
Format	Color
RYB	174, 142, 207
Decimal	11439823
CIELab	64.04, 24.57, -28.96
CIElCh	64, 37.982, 310.313
Yxy	32.8497, 0.2852, 0.2441
Android (android.graphics.Color)	4289629903 (0xFFAE8ECF)
YUV	158.9780, 23.6748, 13.1743
Hunter-Lab	57.3147, 19.2318, -25.4072

Details

The Yxy color **32.8497, 0.2852, 0.2441** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.6990, 0.3336, 0.4139**, and the grayscale version is **34.5496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5228, 0.2970, 0.2679**, and **13.8141, 0.2764, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **26.0896, 0.2738, 0.2143**, and if you desaturate by 10%, it is **40.8511, 0.2953, 0.2730**.

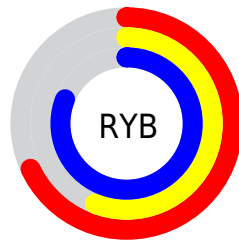
Distribution



Red (68%)

Green (56%)

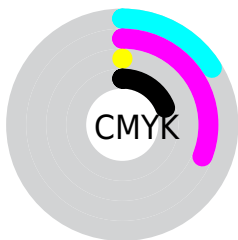
Blue (81%)



Red (68%)

Yellow (56%)

Blue (81%)

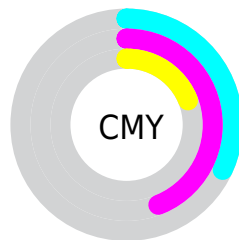


Cyan (16%)

Magenta (31%)

Yellow (0%)

Black (19%)



Cyan (32%)


Magenta (44%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8497, 0.2852, 0.2441 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 32.8497, 0.2852, 0.2441 by changing the saturation by 10% instead.

 32.8497, 0.2852,
0.2441


 32.8497, 0.2852,
0.2441


314.9719, 0.3003,
0.2862


 22.0113, 0.2810,
0.2338


 64.1408, 0.2910,
0.2593

 13.8652, 0.2754,
0.2207


 85.3623, 0.2931,
0.2650

 8.0270, 0.2677,
0.2037


 110.8137, 0.2948,
0.2699

 4.1122, 0.2562,
0.1808

140.8793, 0.2963,
0.2741

 1.7365, 0.2379,
0.1486

175.9435, 0.2975,
0.2777

 0.4471, 0.2088,
0.0899

216.3908, 0.2986,

 0.0000, 0.0000,

0.2809

0.0000

262.6054, 0.2995,
0.2837

■ 32.8497, 0.2852,
0.2441

■ 32.8497, 0.2852,
0.2441

■ 26.0896, 0.2738,
0.2143

■ 40.8511, 0.2953,
0.2730

■ 20.5011, 0.2613,
0.1848

■ 50.1503, 0.3042,
0.3004

■ 16.0138, 0.2481,
0.1568


■ 60.8053, 0.3118,
0.3257

■ 12.5476, 0.2346,
0.1319


■ 72.8691, 0.3182,
0.3488


■ 10.0113, 0.2215,
0.1115

■ 86.3920, 0.3235,
0.3696

 8.2960, 0.2094,
0.0965

 94.0506, 0.3294,
0.3779

 7.3115, 0.1999,
0.0875

 95.9181, 0.3363,
0.3768

 97.2847, 0.3412,
0.3761

Harmonies

Analogous

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



32.8497, 0.2376, 0.2357



32.8497, 0.2852, 0.2441



32.8497, 0.3455, 0.2704

Triad

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



32.8497, 0.2852, 0.2441



32.8497, 0.4236, 0.3995



32.8497, 0.2299, 0.3411

Complementary

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



32.8497, 0.2852, 0.2441



55.6990, 0.3336, 0.4139

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.



32.8497, 0.2740, 0.4004



32.8497, 0.2852, 0.2441



32.8497, 0.3863, 0.4315

Square

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



32.8497, 0.2852, 0.2441



32.8497, 0.4300, 0.3552



32.8497, 0.3313, 0.4350



32.8497, 0.2081, 0.2848

Rectangle

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



32.8497, 0.2852, 0.2441



32.8497, 0.3842, 0.2955



32.8497, 0.3313, 0.4350



32.8497, 0.2424, 0.3618

Sweetspot

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



32.8511, 0.2852, 0.2441



84.0739, 0.3060, 0.3063



41.1492, 0.2630, 0.2858



17.4811, 0.3048, 0.3025



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.



32.8511, 0.2852, 0.2441



44.7875, 0.2773, 0.2231



36.9678, 0.3153, 0.2514



11.6987, 0.3058, 0.3055



4.6630, 0.2013, 0.0883



0.3079, 0.2216, 0.0994

Inverse Universe

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



35.7167, 0.3478, 0.2878



50.2722, 0.3587, 0.2783



52.4256, 0.3092, 0.4206



11.9072, 0.3212, 0.3172



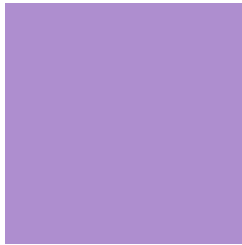
9.0235, 0.4908, 0.2477



0.5206, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 32.8497, 0.2852, 0.2441 looks on a white background.

Color Contrast Check

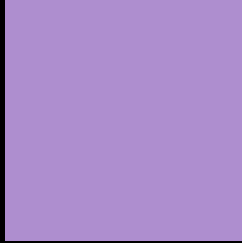
Large Text (above 18pt) WCAG AA × Fail

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 32.8497, 0.2852, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

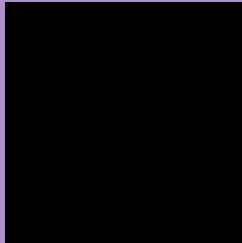
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8497, 0.2852, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 32.8497, 0.2852, 0.2441.



This preview shows how white text looks on a background with the Yxy color 32.8497, 0.2852, 0.2441.

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

32.8497, 0.2852, 0.2441

Protanopia

33.0587, 0.2495, 0.2418

Deuteranopia

33.0299, 0.2613, 0.2558



Tritanopia

32.9931, 0.3175, 0.3117

Trichromacy



Original Color

32.8497, 0.2852, 0.2441

Protanomaly

32.7830, 0.2607, 0.2419

Deuteranomaly

32.8211, 0.2690, 0.2507

Tritanomaly

32.9805, 0.3058, 0.2857

Monochromacy



Original Color

32.8497, 0.2852, 0.2441

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8096, 0.3026, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8497, 0.2852, 0.2441 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(174, 142, 207)` looks like.

```
.text, #text, p{  
    color:rgb(174, 142, 207)  
}
```

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(174, 142, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 142, 207) }
```

Border

The CSS property to change the border of an element to Yxy 32.8497, 0.2852, 0.2441 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(174, 142, 207) }
```

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

```
.border{ border-color:rgb(174, 142, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 142, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 142, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 142, 207);  
box-shadow:4px 4px 4px 4px rgb(174, 142,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8497, 0.2852, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 142, 207) }
```

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

```
.background{ background-color: rgb(174,  
142, 207) }
```

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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