

Converting Colors

$Y_{xy}(25.0046, 0.3003, 0.2399)$

Have a look what the booklet for
Yxy(25.0046, 0.3003, 0.2399)
contains.

Yxy(24.9374, 0.3003, 0.2393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9374, 0.3003, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	A877B7
RGB	168, 119, 183
RGB Percent	66%, 47%, 72%
CMY	0.3412, 0.5333, 0.2822
CMYK	0.08, 0.35, 0.00, 0.28
HSL	286°, 31%, 59%
HSV	286°, 35%, 72%
XYZ	31.2942, 24.9374, 47.9782
YIQ	140.9470, 8.6600, 30.2920

Conversions

Conversions Part 2

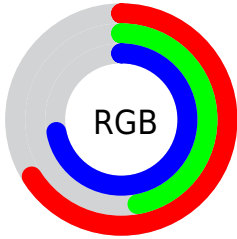
Format	Color
R _Y B	168, 119, 183
Decimal	11040695
CIE Lab	57.01, 30.54, -26.30
CIE LCh	57, 40.308, 319.263
Yxy	24.9374, 0.3003, 0.2393
Android (android.graphics.Color)	4289230775 (0xFFA877B7)
YUV	140.9470, 20.7321, 23.7255
Hunter-Lab	49.9374, 24.4700, -22.0077

Details

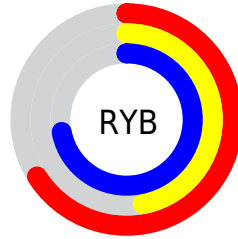
The Yxy color $24.9374, 0.3003, 0.2393$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $40.2809, 0.3202, 0.4284$, and the grayscale version is $26.5296, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.5843, 0.3038, 0.2566$, and $9.5128, 0.2940, 0.2114$ is the 20% darker color. If you saturate the color by 10%, you get $20.5297, 0.2954, 0.2133$, and if you desaturate by 10%, it is $30.2017, 0.3046, 0.2658$.

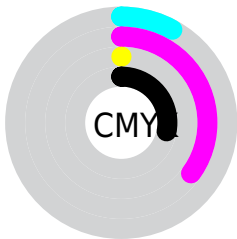
Distribution



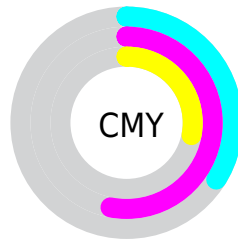
- Red (66%)
- Green (47%)
- Blue (72%)



- Red (66%)
- Yellow (47%)
- Blue (72%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (28%)



- Cyan (34%)
- Magenta (53%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9374, 0.3003, 0.2393 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 24.9374, 0.3003, 0.2393 by changing the saturation by 10% instead.


 24.9374, 0.3003,
0.2393


 24.9374, 0.3003,
0.2393


277.5260, 0.3082,
0.2854


 16.0304, 0.2977,
0.2275


 51.5557, 0.3036,
0.2563

 9.5457, 0.2940,
0.2123


 70.0357, 0.3047,
0.2626

 5.0988, 0.2883,
0.1920


 92.4756, 0.3056,
0.2679

 2.3053, 0.2789,
0.1638

119.2597, 0.3063,
0.2724

 0.7765, 0.2616,
0.1223

150.7724, 0.3069,
0.2763

 0.0000, 0.2149,
0.0000

187.3981, 0.3074,

 0.0000, 0.0000,

0.2797

0.0000

229.5212, 0.3078,
0.2827

■ 24.9374, 0.3003,
0.2393

■ 24.9374, 0.3003,
0.2393

■ 20.5297, 0.2954,
0.2133

■ 30.2017, 0.3046,
0.2658

■ 16.9269, 0.2899,
0.1889

■ 36.3641, 0.3083,
0.2919

■ 14.0767, 0.2839,
0.1670


■ 43.4670, 0.3114,
0.3170


■ 11.9191, 0.2777,
0.1488


■ 51.5493, 0.3139,
0.3407

■ 10.3849, 0.2714,
0.1349

■ 60.6478, 0.3159,
0.3627


 9.3897, 0.2652,
0.1255

 70.7970, 0.3175,
0.3829

 9.0011, 0.2622,
0.1218

 82.0303, 0.3188,
0.4013

 87.5480, 0.3207,
0.4083

 88.1571, 0.3235,
0.4077

Harmonies

Analogous

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



24.9374, 0.2402, 0.2232



24.9374, 0.3003, 0.2393



24.9374, 0.3714, 0.2738

Triad

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



24.9374, 0.3003, 0.2393



24.9374, 0.4303, 0.4218



24.9374, 0.2071, 0.3208

Complementary

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



24.9374, 0.3003, 0.2393



40.2809, 0.3202, 0.4284

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.



24.9374, 0.2499, 0.3937



24.9374, 0.3003, 0.2393



24.9374, 0.3787, 0.4535

Square

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



24.9374, 0.3003, 0.2393



24.9374, 0.4508, 0.3728



24.9374, 0.3126, 0.4467



24.9374, 0.1915, 0.2617

Rectangle

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



24.9374, 0.3003, 0.2393



24.9374, 0.4132, 0.3042



24.9374, 0.3126, 0.4467



24.9374, 0.2185, 0.3449

Sweetspot

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



24.9385, 0.3003, 0.2393



71.0170, 0.3099, 0.3041



24.6720, 0.2539, 0.2524



15.2968, 0.3094, 0.3006



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.9385, 0.3003, 0.2393



38.4320, 0.2965, 0.2192



26.0552, 0.3344, 0.2631



9.0536, 0.3101, 0.3062



6.3097, 0.2629, 0.1222



0.2486, 0.2787, 0.1309

Inverse Universe

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



24.9865, 0.3748, 0.3077



38.6482, 0.3953, 0.3030



39.5496, 0.2966, 0.4056



9.0458, 0.3252, 0.3237



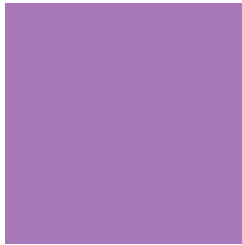
7.1536, 0.5946, 0.3049



0.2620, 0.5211, 0.2645

Previews

White Background



This preview shows how the Yxy color 24.9374, 0.3003, 0.2393 looks on a white background.

Color Contrast Check

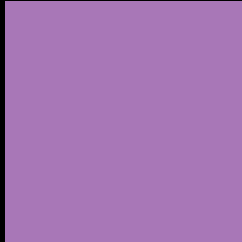
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9374, 0.3003, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

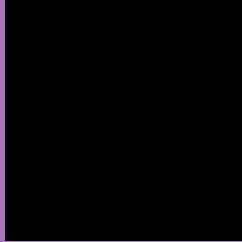
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9374, 0.3003, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 24.9374, 0.3003, 0.2393.



This preview shows how white text looks on a background with the Yxy color 24.9374, 0.3003, 0.2393.

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

24.9374, 0.3003, 0.2393

Protanopia

25.1196, 0.2447, 0.2365

Deuteranopia

25.1353, 0.2632, 0.2579



Tritanopia

24.8504, 0.3407, 0.3135

Trichromacy



Original Color

24.9374, 0.3003, 0.2393

Protanomaly

24.6963, 0.2617, 0.2358

Deuteranomaly

24.7875, 0.2757, 0.2499

Tritanomaly

24.8928, 0.3264, 0.2853

Monochromacy



Original Color

24.9374, 0.3003, 0.2393

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.7547, 0.3089, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9374, 0.3003, 0.2393 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(168, 119, 183)` looks like.

```
.text, #text, p{  
    color:rgb(168, 119, 183)  
}
```

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(168, 119, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 119, 183) }
```

Border

The CSS property to change the border of an element to Yxy 24.9374, 0.3003, 0.2393 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(168, 119, 183) }
```

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

```
.border{ border-color:rgb(168, 119, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 119, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 119, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 119, 183);  
box-shadow:4px 4px 4px 4px rgb(168, 119,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9374, 0.3003, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 119, 183) }
```

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

```
.background{ background-color: rgb(168,  
119, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor