

Converting Colors

$Y_{xy}(26.2129, 0.2992, 0.2414)$

Have a look what the booklet for
Yxy(26.2129, 0.2992, 0.2414)
contains.

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Color

Yxy(26.2571, 0.2995, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	AA7BBA
RGB	170, 123, 186
RGB Percent	67%, 48%, 73%
CMY	0.3334, 0.5176, 0.2706
CMYK	0.09, 0.34, 0.00, 0.27
HSL	285°, 31%, 61%
HSV	285°, 34%, 73%
XYZ	32.5228, 26.2571, 49.8103
YIQ	144.2350, 7.7890, 29.5570

Conversions

Conversions Part 2

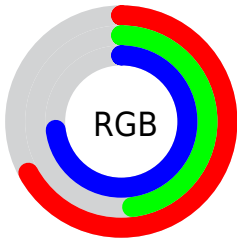
Format	Color
R _Y B	170, 123, 186
Decimal	11172794
CIE Lab	58.28, 29.55, -26.04
CIE LCh	58, 39.380, 318.614
Yxy	26.2571, 0.2995, 0.2418
Android (android.graphics.Color)	4289362874 (0xFFAA7BBA)
YUV	144.2350, 20.5901, 22.5959
Hunter-Lab	51.2417, 23.6198, -21.7646

Details

The Yxy color **26.2571, 0.2995, 0.2418** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.0400, 0.3210, 0.4246**, and the grayscale version is **27.9032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6302, 0.3031, 0.2584**, and **10.2405, 0.2930, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **21.5560, 0.2941, 0.2155**, and if you desaturate by 10%, it is **31.8562, 0.3042, 0.2685**.

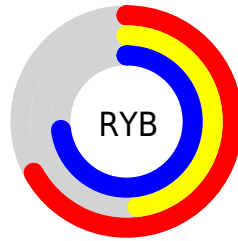
Distribution



Red (67%)

Green (48%)

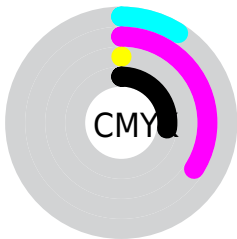
Blue (73%)



Red (67%)

Yellow (48%)

Blue (73%)

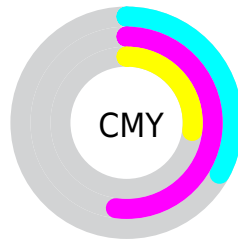


Cyan (9%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (33%)


Magenta (52%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2571, 0.2995, 0.2418 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 26.2571, 0.2995, 0.2418 by changing the saturation by 10% instead.


 26.2571, 0.2995,
0.2418


 26.2571, 0.2995,
0.2418


284.0419, 0.3077,
0.2864


 17.0161, 0.2969,
0.2305


 53.6894, 0.3029,
0.2582

 10.2460, 0.2932,
0.2159


 72.6495, 0.3040,
0.2643

 5.5623, 0.2876,
0.1965


 95.6181, 0.3050,
0.2694

 2.5808, 0.2785,
0.1696

122.9795, 0.3057,
0.2738

 0.9170, 0.2620,
0.1307

155.1182, 0.3063,
0.2776

 0.0000, 0.2339,
0.0000

192.4186, 0.3069,

 0.0000, 0.0000,

0.2809

0.0000

235.2650, 0.3073,
0.2838

■ 26.2571, 0.2995,
0.2418

■ 26.2571, 0.2995,
0.2418

■ 21.5560, 0.2941,
0.2155

■ 31.8562, 0.3042,
0.2685

■ 17.6994, 0.2882,
0.1904

■ 38.3959, 0.3082,
0.2946

■ 14.6335, 0.2817,
0.1679

■ 45.9202, 0.3116,
0.3197


■ 12.2968, 0.2749,
0.1488


■ 54.4694, 0.3143,
0.3432


■ 10.6183, 0.2681,
0.1340

■ 64.0813, 0.3166,
0.3650


 9.5127, 0.2614,
0.1238

 74.7920, 0.3183,
0.3850

 9.0118, 0.2573,
0.1191

 86.6357, 0.3197,
0.4031

 88.4475, 0.3225,
0.4042

 89.1420, 0.3256,
0.4035

Harmonies

Analogous

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



26.2571, 0.2418, 0.2267



26.2571, 0.2995, 0.2418



26.2571, 0.3677, 0.2750

Triad

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



26.2571, 0.2995, 0.2418



26.2571, 0.4269, 0.4180



26.2571, 0.2116, 0.3229

Complementary

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



26.2571, 0.2995, 0.2418



42.0400, 0.3210, 0.4246

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.



26.2571, 0.2536, 0.3923



26.2571, 0.2995, 0.2418



26.2571, 0.3779, 0.4484

Square

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



26.2571, 0.2995, 0.2418



26.2571, 0.4455, 0.3707



26.2571, 0.3143, 0.4422



26.2571, 0.1957, 0.2655

Rectangle

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



26.2571, 0.2995, 0.2418



26.2571, 0.4081, 0.3043



26.2571, 0.3143, 0.4422



26.2571, 0.2229, 0.3460

Sweetspot

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



26.2582, 0.2995, 0.2418



74.4306, 0.3095, 0.3041



26.4560, 0.2561, 0.2568



15.9780, 0.3090, 0.3005



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



26.2582, 0.2995, 0.2418



40.8024, 0.2954, 0.2211



27.5589, 0.3324, 0.2639



9.0448, 0.3098, 0.3062



6.0996, 0.2582, 0.1196



0.2427, 0.2752, 0.1290

Inverse Universe

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



26.4715, 0.3707, 0.3067



41.3780, 0.3905, 0.3014



41.1574, 0.2978, 0.4046



9.0487, 0.3249, 0.3232



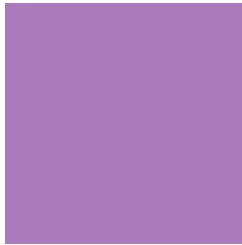
7.1731, 0.5886, 0.3016



0.2632, 0.5138, 0.2604

Previews

White Background



This preview shows how the Yxy color 26.2571, 0.2995, 0.2418 looks on a white background.

Color Contrast Check

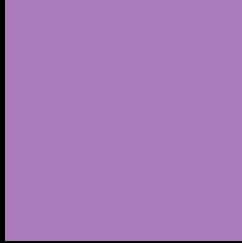
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2571, 0.2995, 0.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

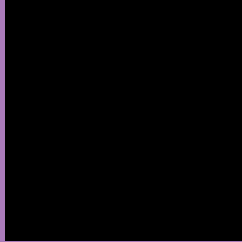
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2571, 0.2995, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 26.2571, 0.2995, 0.2418.



This preview shows how white text looks on a background with the Yxy color 26.2571, 0.2995, 0.2418.

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

26.2571, 0.2995, 0.2418

Protanopia

26.3917, 0.2465, 0.2382

Deuteranopia

26.4211, 0.2649, 0.2593



Tritanopia

26.3480, 0.3387, 0.3138

Trichromacy



Original Color

26.2571, 0.2995, 0.2418

Protanomaly

26.1591, 0.2628, 0.2389

Deuteranomaly

26.2555, 0.2765, 0.2528

Tritanomaly

26.2761, 0.3238, 0.2860

Monochromacy



Original Color

26.2571, 0.2995, 0.2418

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.8838, 0.3079, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2571, 0.2995, 0.2418 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(170, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(170, 123, 186)  
}
```

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(170, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 123, 186) }
```

Border

The CSS property to change the border of an element to Yxy 26.2571, 0.2995, 0.2418 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(170, 123, 186) }
```

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

```
.border{ border-color:rgb(170, 123, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 123, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 123, 186);  
box-shadow:4px 4px 4px 4px rgb(170, 123,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2571, 0.2995, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 123, 186) }
```

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

```
.background{ background-color: rgb(170,  
123, 186) }
```

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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