

Converting Colors

$Y_{xy}(26.7242, 0.3021, 0.2409)$

Have a look what the booklet for
Yxy(26.7242, 0.3021, 0.2409)
contains.

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Color

Yxy(26.7954, 0.3018, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	AE7BBC
RGB	174, 123, 188
RGB Percent	68%, 48%, 74%
CMY	0.3177, 0.5176, 0.2628
CMYK	0.07, 0.35, 0.00, 0.26
HSL	287°, 33%, 61%
HSV	287°, 35%, 74%
XYZ	33.6112, 26.7954, 50.9625
YIQ	145.6590, 9.5310, 31.0270

Conversions

Conversions Part 2

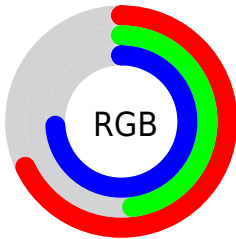
Format	Color
RYB	174, 123, 188
Decimal	11434940
CIELab	58.78, 31.23, -26.35
CIELCh	59, 40.859, 319.850
Yxy	26.7954, 0.3018, 0.2406
Android (android.graphics.Color)	4289625020 (0xFFAE7BBC)
YUV	145.6590, 20.8741, 24.8551
Hunter-Lab	51.7643, 25.3148, -22.1367

Details

The Yxy color **26.7954, 0.3018, 0.2406** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.7042, 0.3191, 0.4276**, and the grayscale version is **28.5085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4053, 0.3048, 0.2571**, and **10.4794, 0.2962, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **22.1136, 0.2974, 0.2148**, and if you desaturate by 10%, it is **32.3889, 0.3057, 0.2669**.

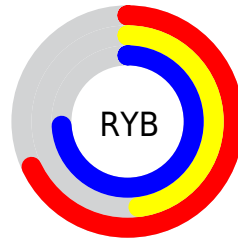
Distribution



Red (68%)

Green (48%)

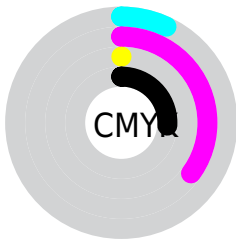
Blue (74%)



Red (68%)

Yellow (48%)

Blue (74%)

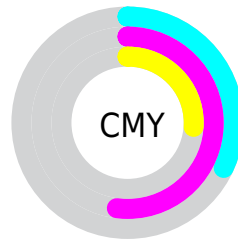


Cyan (7%)

Magenta (35%)

Yellow (0%)

Black (26%)



Cyan (32%)


Magenta (52%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7954, 0.3018, 0.2406 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 26.7954, 0.3018, 0.2406 by changing the saturation by 10% instead.


 26.7954, 0.3018,
0.2406


 26.7954, 0.3018,
0.2406


286.6651, 0.3088,
0.2855


 17.4196, 0.2995,
0.2293


 54.5554, 0.3047,
0.2570

 10.5341, 0.2962,
0.2147


 73.7084, 0.3057,
0.2632

 5.7545, 0.2913,
0.1954


 96.8892, 0.3065,
0.2684

 2.6964, 0.2831,
0.1688

124.4823, 0.3071,
0.2728

 0.9754, 0.2681,
0.1307

156.8720, 0.3077,
0.2766

 0.0000, 0.2508,
0.0000

194.4428, 0.3081,

 0.0000, 0.0000,

0.2800

0.0000

237.5791, 0.3085,
0.2829

■ 26.7954, 0.3018,
0.2406

■ 26.7954, 0.3018,
0.2406

■ 22.1136, 0.2974,
0.2148

■ 32.3889, 0.3057,
0.2669

■ 18.2886, 0.2924,
0.1906

■ 38.9382, 0.3089,
0.2930

■ 15.2647, 0.2870,
0.1690


■ 46.4885, 0.3117,
0.3180

■ 12.9782, 0.2814,
0.1510


■ 55.0811, 0.3139,
0.3417

■ 11.3557, 0.2756,
0.1373

■ 64.7551, 0.3156,
0.3637


 10.3080, 0.2699,
0.1282

 75.5474, 0.3170,
0.3839

 9.8795, 0.2669,
0.1244

 87.4933, 0.3180,
0.4024

 88.3238, 0.3205,
0.4022

 88.9119, 0.3231,
0.4016

Harmonies

Analogous

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



26.7954, 0.2418, 0.2242



26.7954, 0.3018, 0.2406



26.7954, 0.3722, 0.2752

Triad

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



26.7954, 0.3018, 0.2406



26.7954, 0.4285, 0.4219



26.7954, 0.2076, 0.3196

Complementary

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



26.7954, 0.3018, 0.2406



42.7042, 0.3191, 0.4276

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.



26.7954, 0.2495, 0.3916



26.7954, 0.3018, 0.2406



26.7954, 0.3770, 0.4526

Square

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



26.7954, 0.3018, 0.2406



26.7954, 0.4494, 0.3736



26.7954, 0.3114, 0.4447



26.7954, 0.1925, 0.2616

Rectangle

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



26.7954, 0.3018, 0.2406



26.7954, 0.4132, 0.3054



26.7954, 0.3114, 0.4447



26.7954, 0.2187, 0.3433

Sweetspot

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



26.7965, 0.3018, 0.2406



76.3779, 0.3102, 0.3041



25.7583, 0.2541, 0.2498



16.0183, 0.3098, 0.3006



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.



26.7965, 0.3018, 0.2406



42.3764, 0.2987, 0.2221



27.7435, 0.3365, 0.2665



9.5898, 0.3104, 0.3061



6.7618, 0.2676, 0.1248



0.2912, 0.2810, 0.1322

Inverse Universe

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



26.6637, 0.3755, 0.3097



42.2088, 0.3948, 0.3057



42.1030, 0.2953, 0.4012



9.5691, 0.3255, 0.3241



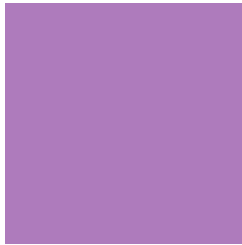
7.3950, 0.6007, 0.3083



0.2996, 0.5333, 0.2712

Previews

White Background



This preview shows how the Yxy color 26.7954, 0.3018, 0.2406 looks on a white background.

Color Contrast Check

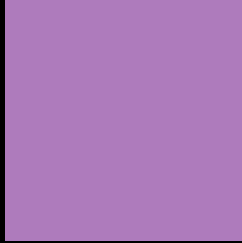
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7954, 0.3018, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

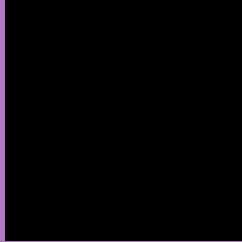
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7954, 0.3018, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 26.7954, 0.3018, 0.2406.



This preview shows how white text looks on a background with the Yxy color 26.7954, 0.3018, 0.2406.

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

26.7954, 0.3018, 0.2406

Protanopia

27.1842, 0.2458, 0.2378

Deuteranopia

26.8736, 0.2644, 0.2584



Tritanopia

26.6710, 0.3422, 0.3140

Trichromacy



Original Color

26.7954, 0.3018, 0.2406

Protanomaly

26.7865, 0.2641, 0.2386

Deuteranomaly

26.5233, 0.2767, 0.2506

Tritanomaly

26.7498, 0.3272, 0.2852

Monochromacy



Original Color

26.7954, 0.3018, 0.2406

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8181, 0.3090, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7954, 0.3018, 0.2406 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, 123, 188)` looks like.

```
.text, #text, p{  
    color:rgb(174, 123, 188)  
}
```

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, 123, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 123, 188) }
```

Border

The CSS property to change the border of an element to Yxy 26.7954, 0.3018, 0.2406 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, 123, 188) }
```

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

```
.border{ border-color:rgb(174, 123, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 123, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 123, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 123, 188);  
box-shadow:4px 4px 4px 4px rgb(174, 123,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7954, 0.3018, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 123, 188) }
```

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

```
.background{ background-color: rgb(174,  
123, 188) }
```

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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