

Converting Colors

$Y_{xy}(26.8708, 0.3322, 0.2536)$

Have a look what the booklet for
Yxy(26.8708, 0.3322, 0.2536)
contains.

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Color

Yxy(26.8708, 0.3322, 0.2536)

Conversions

Conversions Part 1

Format	Color
Hex	BD76AF
RGB	189, 118, 175
RGB Percent	74%, 46%, 69%
CMY	0.2589, 0.5372, 0.3137
CMYK	0.00, 0.38, 0.07, 0.26
HSL	312°, 35%, 60%
HSV	312°, 38%, 74%
XYZ	35.1991, 26.8708, 43.8876
YIQ	145.7270, 24.0190, 32.7790

Conversions

Conversions Part 2

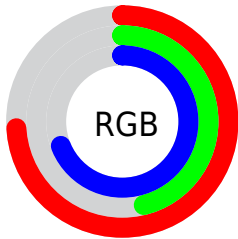
Format	Color
RYB	189, 118, 175
Decimal	12416687
CIELab	58.85, 36.41, -18.68
CIELCh	59, 40.923, 332.844
Yxy	26.8708, 0.3322, 0.2536
Android (android.graphics.Color)	4290606767 (0xFFBD76AF)
YUV	145.7270, 14.4316, 37.9504
Hunter-Lab	51.8371, 30.4925, -13.9116

Details

The Yxy color **26.8708, 0.3322, 0.2536** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.9064, 0.2981, 0.4187**, and the grayscale version is **28.5605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4882, 0.3283, 0.2670**, and **10.4878, 0.3376, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **22.7131, 0.3389, 0.2345**, and if you desaturate by 10%, it is **31.9266, 0.3261, 0.2738**.

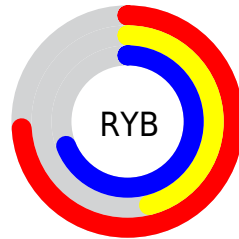
Distribution



Red (74%)

Green (46%)

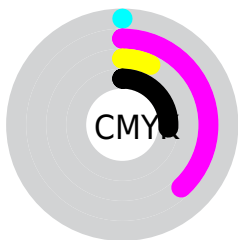
Blue (69%)



Red (74%)

Yellow (46%)

Blue (69%)

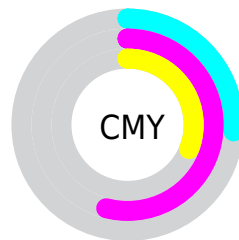


Cyan (0%)

Magenta (38%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (54%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8708, 0.3322, 0.2536 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 26.8708, 0.3322, 0.2536 by changing the saturation by 10% instead.

 26.8708, 0.3322,
0.2536


 26.8708, 0.3322,
0.2536


287.0310, 0.3227,
0.2922

 17.4762, 0.3345,
0.2437

 54.6765, 0.3288,
0.2678

 10.5746, 0.3373,
0.2309


 73.8563, 0.3275,
0.2731

 5.7816, 0.3409,
0.2137


 97.0668, 0.3264,
0.2776

 2.7127, 0.3455,
0.1896

124.6922, 0.3254,
0.2813

 0.9837, 0.3512,
0.1536

157.1169, 0.3246,
0.2846

 0.0000, 0.3939,
0.0000

194.7253, 0.3239,

 0.0000, 0.0000,

0.2875

0.0000

237.9019, 0.3232,
0.2900

■ 26.8708, 0.3322,
0.2536

■ 26.8708, 0.3322,
0.2536

■ 22.7131, 0.3389,
0.2345

■ 31.9266, 0.3261,
0.2738

■ 19.3964, 0.3462,
0.2174

■ 37.9261, 0.3206,
0.2942

■ 16.8624, 0.3538,
0.2033


■ 44.9160, 0.3159,
0.3143


■ 15.0443, 0.3615,
0.1930


■ 52.9389, 0.3118,
0.3336

■ 13.8636, 0.3691,
0.1872

■ 62.0349, 0.3083,
0.3519


 13.2055, 0.3764,
0.1858

 72.2420, 0.3053,
0.3689

 13.0752, 0.3781,
0.1857

 83.5963, 0.3028,
0.3846

 86.7343, 0.3007,
0.3850

 86.9161, 0.2987,
0.3807

Harmonies

Analogous

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



26.8708, 0.2654, 0.2287



26.8708, 0.3322, 0.2536



26.8708, 0.4001, 0.2943

Triad

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



26.8708, 0.3322, 0.2536



26.8708, 0.4090, 0.4386



26.8708, 0.1976, 0.2915

Complementary

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



26.8708, 0.3322, 0.2536



41.9064, 0.2981, 0.4187

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.



26.8708, 0.2282, 0.3605



26.8708, 0.3322, 0.2536



26.8708, 0.3493, 0.4551

Square

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



26.8708, 0.3322, 0.2536



26.8708, 0.4451, 0.3956



26.8708, 0.2830, 0.4265



26.8708, 0.1943, 0.2445

Rectangle

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



26.8708, 0.3322, 0.2536



26.8708, 0.4330, 0.3270



26.8708, 0.2830, 0.4265



26.8708, 0.2048, 0.3128

Sweetspot

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



26.8720, 0.3322, 0.2536



75.7142, 0.3175, 0.3071



21.4610, 0.2568, 0.2202



15.9140, 0.3182, 0.3044



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.



26.8720, 0.3322, 0.2536



41.9369, 0.3377, 0.2379



25.6848, 0.3740, 0.2981



9.6632, 0.3167, 0.3108



8.8101, 0.3773, 0.1852



0.3535, 0.3614, 0.1765

Inverse Universe

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



26.8720, 0.3322, 0.2536



41.9369, 0.3377, 0.2379



43.0124, 0.2750, 0.3629



9.6632, 0.3167, 0.3108



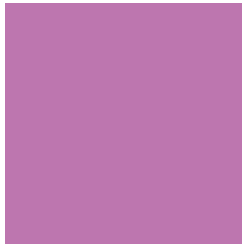
8.8101, 0.3773, 0.1852



0.3535, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 26.8708, 0.3322, 0.2536 looks on a white background.

Color Contrast Check

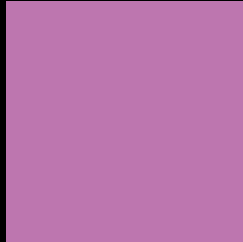
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8708, 0.3322, 0.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

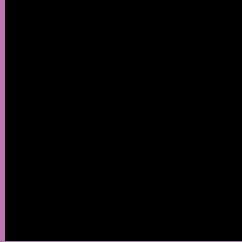
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8708, 0.3322, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 26.8708, 0.3322, 0.2536.



This preview shows how white text looks on a background with the Yxy color 26.8708, 0.3322, 0.2536.

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

26.8708, 0.3322, 0.2536

Protanopia

27.1069, 0.2567, 0.2513

Deuteranopia

27.0682, 0.2844, 0.2792



Tritanopia

26.8613, 0.3722, 0.3164

Trichromacy



Original Color

26.8708, 0.3322, 0.2536

Protanomaly

26.4893, 0.2804, 0.2510

Deuteranomaly

26.4803, 0.3005, 0.2682

Tritanomaly

26.8070, 0.3572, 0.2916

Monochromacy



Original Color

26.8708, 0.3322, 0.2536

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.7240, 0.3197, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8708, 0.3322, 0.2536 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(189, 118, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 118, 175)  
}
```

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(189, 118, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 118, 175) }
```

Border

The CSS property to change the border of an element to Yxy 26.8708, 0.3322, 0.2536 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(189, 118, 175) }
```

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

```
.border{ border-color:rgb(189, 118, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 118, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 118, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 118, 175);  
box-shadow:4px 4px 4px 4px rgb(189, 118,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8708, 0.3322, 0.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 118, 175) }
```

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

```
.background{ background-color: rgb(189,  
118, 175) }
```

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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