

Converting Colors

$Y_{xy}(26.7263, 0.3299, 0.2498)$

Have a look what the booklet for
Yxy(26.7263, 0.3299, 0.2498)
contains.

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Color

Yxy(26.7157, 0.3301, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	BD75B1
RGB	189, 117, 177
RGB Percent	74%, 46%, 69%
CMY	0.2587, 0.5412, 0.3058
CMYK	0.00, 0.38, 0.06, 0.26
HSL	310°, 35%, 60%
HSV	310°, 38%, 74%
XYZ	35.2895, 26.7157, 44.9003
YIQ	145.3680, 23.6520, 33.9240

Conversions

Conversions Part 2

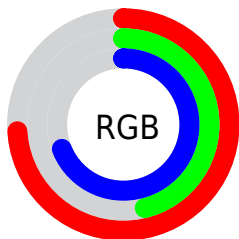
Format	Color
RYB	189, 117, 177
Decimal	12416433
CIELab	58.71, 37.34, -20.05
CIELCh	59, 42.385, 331.761
Yxy	26.7157, 0.3301, 0.2499
Android (android.graphics.Color)	4290606513 (0xFFBD75B1)
YUV	145.3680, 15.5946, 38.2653
Hunter-Lab	51.6872, 31.4185, -15.3237

Details

The Yxy color **26.7157, 0.3301, 0.2499** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.7729, 0.2993, 0.4239**, and the grayscale version is **28.4015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2255, 0.3267, 0.2641**, and **10.4200, 0.3344, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **22.6242, 0.3359, 0.2303**, and if you desaturate by 10%, it is **31.7018, 0.3248, 0.2707**.

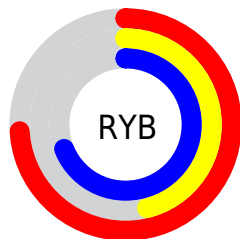
Distribution



Red (74%)

Green (46%)

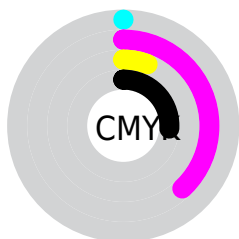
Blue (69%)



Red (74%)

Yellow (46%)

Blue (69%)

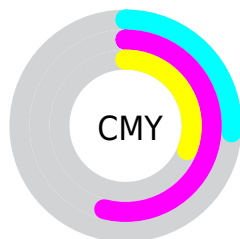


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (54%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7157, 0.3301, 0.2499 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 26.7157, 0.3301, 0.2499 by changing the saturation by 10% instead.

 26.7157, 0.3301,
0.2499


 26.7157, 0.3301,
0.2499


286.2779, 0.3218,
0.2903


 17.3598, 0.3320,
0.2396


 54.4273, 0.3272,
0.2647

 10.4914, 0.3343,
0.2263


 73.5518, 0.3261,
0.2703

 5.7259, 0.3372,
0.2085


 96.7014, 0.3251,
0.2749

 2.6792, 0.3405,
0.1836

124.2603, 0.3243,
0.2789

 0.9666, 0.3441,
0.1469

156.6130, 0.3235,
0.2823

 0.0000, 0.3783,
0.0000

194.1440, 0.3229,

 0.0000, 0.0000,

0.2853

0.0000

237.2375, 0.3223,
0.2880

■ 26.7157, 0.3301,
0.2499

■ 26.7157, 0.3301,
0.2499

■ 22.6242, 0.3359,
0.2303

■ 31.7018, 0.3248,
0.2707

■ 19.3699, 0.3421,
0.2129

■ 37.6283, 0.3200,
0.2918

■ 16.8942, 0.3485,
0.1986

■ 44.5421, 0.3157,
0.3126

■ 15.1296, 0.3549,
0.1882

■ 52.4860, 0.3121,
0.3327

■ 13.9968, 0.3612,
0.1822

■ 61.5002, 0.3089,
0.3517

 13.3722, 0.3671,
0.1804

 71.6229, 0.3062,
0.3695

 13.2742, 0.3682,
0.1802

 82.8902, 0.3039,
0.3859

 86.6174, 0.3021,
0.3880

 86.7684, 0.3004,
0.3843

Harmonies

Analogous

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



26.7157, 0.2615, 0.2250



26.7157, 0.3301, 0.2499



26.7157, 0.4011, 0.2913

Triad

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



26.7157, 0.3301, 0.2499



26.7157, 0.4140, 0.4409



26.7157, 0.1944, 0.2921

Complementary

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



26.7157, 0.3301, 0.2499



41.7729, 0.2993, 0.4239

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.



26.7157, 0.2268, 0.3643



26.7157, 0.3301, 0.2499



26.7157, 0.3526, 0.4602

Square

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



26.7157, 0.3301, 0.2499



26.7157, 0.4505, 0.3954



26.7157, 0.2840, 0.4325



26.7157, 0.1902, 0.2427

Rectangle

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



26.7157, 0.3301, 0.2499



26.7157, 0.4361, 0.3246



26.7157, 0.2840, 0.4325



26.7157, 0.2021, 0.3144

Sweetspot

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



26.7169, 0.3301, 0.2499



75.7627, 0.3170, 0.3063



21.0615, 0.2547, 0.2181



15.9257, 0.3175, 0.3035



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.



26.7169, 0.3301, 0.2499



41.4236, 0.3351, 0.2329



25.4650, 0.3738, 0.2959



9.6682, 0.3162, 0.3101



8.9382, 0.3675, 0.1798



0.3575, 0.3546, 0.1727

Inverse Universe

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



26.7169, 0.3301, 0.2499



41.4236, 0.3351, 0.2329



42.9051, 0.2753, 0.3654



9.6682, 0.3162, 0.3101



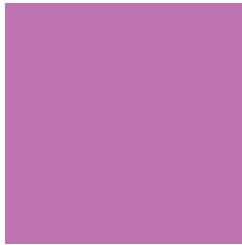
8.9382, 0.3675, 0.1798



0.3575, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 26.7157, 0.3301, 0.2499 looks on a white background.

Color Contrast Check

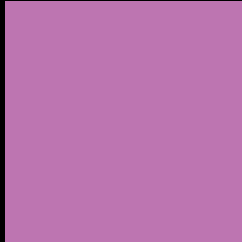
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7157, 0.3301, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

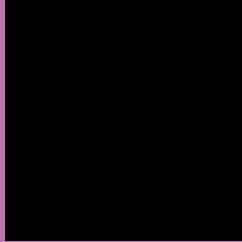
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7157, 0.3301, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 26.7157, 0.3301, 0.2499.



This preview shows how white text looks on a background with the Yxy color 26.7157, 0.3301, 0.2499.

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

26.7157, 0.3301, 0.2499

Protanopia

27.0868, 0.2529, 0.2471

Deuteranopia

27.0578, 0.2817, 0.2762



Tritanopia

26.6068, 0.3726, 0.3150

Trichromacy



Original Color

26.7157, 0.3301, 0.2499

Protanomaly

26.5229, 0.2768, 0.2470

Deuteranomaly

26.5577, 0.2985, 0.2655

Tritanomaly

26.5602, 0.3574, 0.2902

Monochromacy



Original Color

26.7157, 0.3301, 0.2499

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.3393, 0.3187, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7157, 0.3301, 0.2499 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, 117, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 177)  
}
```

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, 117, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 177) }
```

Border

The CSS property to change the border of an element to Yxy 26.7157, 0.3301, 0.2499 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, 117, 177) }
```

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

```
.border{ border-color:rgb(189, 117, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 117, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7157, 0.3301, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 177) }
```

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

```
.background{ background-color: rgb(189,  
117, 177) }
```

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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