

Converting Colors

$Y_{xy}(28.3211, 0.3107, 0.2475)$

Have a look what the booklet for
Yxy(28.3211, 0.3107, 0.2475)
contains.

Yxy(28.3333, 0.3101, 0.2476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.3333, 0.3101, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	B57EBB
RGB	181, 126, 187
RGB Percent	71%, 49%, 73%
CMY	0.2902, 0.5059, 0.2667
CMYK	0.03, 0.33, 0.00, 0.27
HSL	294°, 31%, 61%
HSV	294°, 33%, 73%
XYZ	35.4853, 28.3333, 50.6132
YIQ	149.3990, 13.1990, 30.6310

Conversions

Conversions Part 2

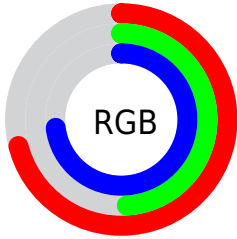
Format	Color
RYB	181, 126, 187
Decimal	11894459
CIELab	60.19, 31.63, -23.57
CIELCh	60, 39.447, 323.310
Yxy	28.3333, 0.3101, 0.2476
Android (android.graphics.Color)	4290084539 (0xFFB57EBB)
YUV	149.3990, 18.5373, 27.7141
Hunter-Lab	53.2290, 25.8467, -19.1159

Details

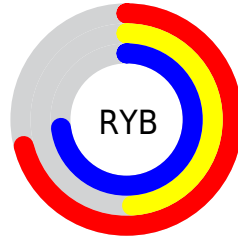
The Yxy color **28.3333, 0.3101, 0.2476** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.9550, 0.3130, 0.4229**, and the grayscale version is **30.1486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8884, 0.3118, 0.2626**, and **11.4021, 0.3068, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **23.7693, 0.3087, 0.2231**, and if you desaturate by 10%, it is **33.7967, 0.3112, 0.2729**.

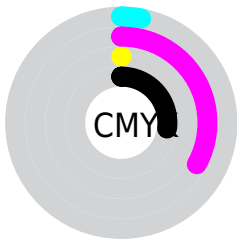
Distribution



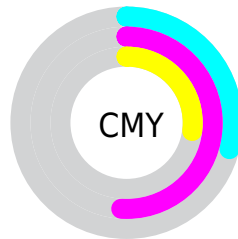
- Red (71%)
- Green (49%)
- Blue (73%)



- Red (71%)
- Yellow (49%)
- Blue (73%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (27%)





- Cyan (29%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3333, 0.3101, 0.2476 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 28.3333, 0.3101, 0.2476 by changing the saturation by 10% instead.


 28.3333, 0.3101,
0.2476


 28.3333, 0.3101,
0.2476


294.0561, 0.3125,
0.2888

 18.5771, 0.3091,
0.2372


 57.0161, 0.3113,
0.2627

 11.3651, 0.3076,
0.2239


 76.7115, 0.3116,
0.2683

 6.3129, 0.3051,
0.2062


 100.4887, 0.3119,
0.2731

 3.0363, 0.3006,
0.1818

128.7322, 0.3121,
0.2771

 1.1507, 0.2919,
0.1463

161.8262, 0.3122,
0.2806

 0.0209, 0.2967,
0.0078

200.1553, 0.3123,

 0.0000, 0.0000,

0.2837

0.0000

244.1038, 0.3124,
0.2864

■ 28.3333, 0.3101,
0.2476

■ 28.3333, 0.3101,
0.2476

■ 23.7693, 0.3087,
0.2231

■ 33.7967, 0.3112,
0.2729

■ 20.0509, 0.3070,
0.2005

■ 40.2017, 0.3120,
0.2982

■ 17.1247, 0.3051,
0.1805


■ 47.5925, 0.3126,
0.3227

■ 14.9293, 0.3029,
0.1642


■ 56.0094, 0.3130,
0.3462


■ 13.3945, 0.3005,
0.1521

■ 65.4903, 0.3132,
0.3681


 12.4362, 0.2981,
0.1443

 76.0713, 0.3132,
0.3883

 11.9766, 0.2962,
0.1405

 86.5626, 0.3133,
0.4051

 86.8077, 0.3144,
0.4048

 87.0559, 0.3155,
0.4045

Harmonies

Analogous

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



28.3333, 0.2510, 0.2297



28.3333, 0.3101, 0.2476



28.3333, 0.3765, 0.2825

Triad

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



28.3333, 0.3101, 0.2476



28.3333, 0.4186, 0.4224



28.3333, 0.2095, 0.3131

Complementary

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



28.3333, 0.3101, 0.2476



41.9550, 0.3130, 0.4229

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.



28.3333, 0.2471, 0.3805



28.3333, 0.3101, 0.2476



28.3333, 0.3675, 0.4475

Square

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



28.3333, 0.3101, 0.2476



28.3333, 0.4421, 0.3778



28.3333, 0.3046, 0.4342



28.3333, 0.1980, 0.2604

Rectangle

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



28.3333, 0.3101, 0.2476



28.3333, 0.4135, 0.3123



28.3333, 0.3046, 0.4342



28.3333, 0.2193, 0.3350

Sweetspot

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



28.3345, 0.3101, 0.2476



75.0830, 0.3122, 0.3043



24.5557, 0.2564, 0.2436



16.1411, 0.3121, 0.3008



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.



28.3345, 0.3101, 0.2476



44.8483, 0.3092, 0.2303



28.1189, 0.3428, 0.2792



9.6472, 0.3122, 0.3063



8.2694, 0.2965, 0.1407



0.3379, 0.3027, 0.1441

Inverse Universe

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



27.1551, 0.3794, 0.3208



42.4671, 0.4007, 0.3190



42.1929, 0.2912, 0.3850



9.5512, 0.3273, 0.3268



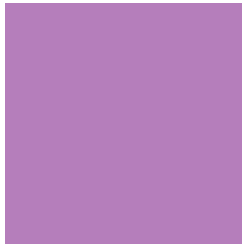
7.3154, 0.6270, 0.3228



0.2917, 0.5847, 0.2995

Previews

White Background



This preview shows how the Yxy color 28.3333, 0.3101, 0.2476 looks on a white background.

Color Contrast Check

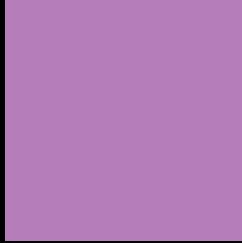
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3333, 0.3101, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

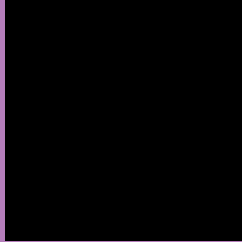
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3333, 0.3101, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 28.3333, 0.3101, 0.2476.



This preview shows how white text looks on a background with the Yxy color 28.3333, 0.3101, 0.2476.

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

28.3333, 0.3101, 0.2476

Protanopia

28.4822, 0.2518, 0.2447

Deuteranopia

28.5946, 0.2720, 0.2671



Tritanopia

28.2085, 0.3475, 0.3131

Trichromacy



Original Color

28.3333, 0.3101, 0.2476

Protanomaly

28.1274, 0.2707, 0.2455

Deuteranomaly

28.2641, 0.2846, 0.2593

Tritanomaly

28.1178, 0.3337, 0.2879

Monochromacy



Original Color

28.3333, 0.3101, 0.2476

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.2712, 0.3121, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3333, 0.3101, 0.2476 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(181, 126, 187)` looks like.

```
.text, #text, p{  
    color:rgb(181, 126, 187)  
}
```

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(181, 126, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 126, 187) }
```

Border

The CSS property to change the border of an element to Yxy 28.3333, 0.3101, 0.2476 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(181, 126, 187) }
```

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

```
.border{ border-color:rgb(181, 126, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 126, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 126, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 126, 187); box-shadow:4px 4px 4px 4px rgb(181, 126, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3333, 0.3101, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 126, 187) }
```

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

```
.background{ background-color: rgb(181,  
126, 187) }
```

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