

Converting Colors

$Y_{xy}(27.4067, 0.3181, 0.2385)$

Have a look what the booklet for
Yxy(27.4067, 0.3181, 0.2385)
contains.

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Color

Yxy(27.4065, 0.3181, 0.2385)

Conversions

Conversions Part 1

Format	Color
Hex	BD76BC
RGB	189, 118, 188
RGB Percent	74%, 46%, 74%
CMY	0.2586, 0.5374, 0.2627
CMYK	0.00, 0.38, 0.01, 0.26
HSL	301°, 35%, 60%
HSV	301°, 38%, 74%
XYZ	36.5535, 27.4065, 50.9520
YIQ	147.2090, 19.8460, 36.8220

Conversions

Conversions Part 2

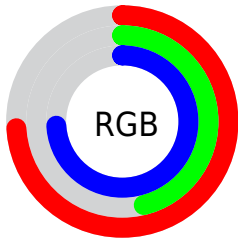
Format	Color
R _{YB}	189, 118, 188
Decimal	12416700
CIE _{Lab}	59.35, 38.83, -25.36
CIE _{LCh}	59, 46.378, 326.849
Yxy	27.4065, 0.3181, 0.2385
Android (android.graphics.Color)	4290606780 (0xFFBD76BC)
YUV	147.2090, 20.1100, 36.6507
Hunter-Lab	52.3512, 33.0204, -21.0594

Details

The Yxy color **27.4065, 0.3181, 0.2385** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.6005, 0.3067, 0.4399**, and the grayscale version is **29.1779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6295, 0.3178, 0.2559**, and **10.8319, 0.3166, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **23.3819, 0.3195, 0.2164**, and if you desaturate by 10%, it is **32.3258, 0.3166, 0.2622**.

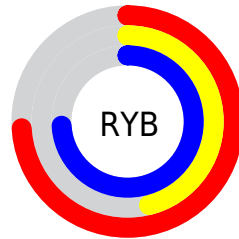
Distribution



Red (74%)

Green (46%)

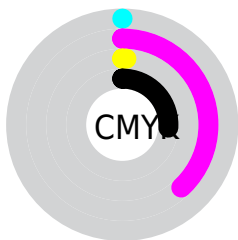
Blue (74%)



Red (74%)

Yellow (46%)

Blue (74%)

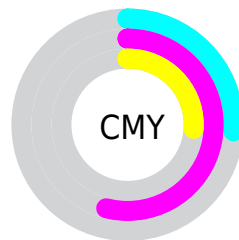


Cyan (0%)

Magenta (38%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4065, 0.3181, 0.2385 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 27.4065, 0.3181, 0.2385 by changing the saturation by 10% instead.

 27.4065, 0.3181,
0.2385


 27.4065, 0.3181,
0.2385


289.6200, 0.3166,
0.2841


 17.8788, 0.3181,
0.2272


 55.5355, 0.3178,
0.2551

 10.8630, 0.3178,
0.2127


 74.9055, 0.3176,
0.2613

 5.9748, 0.3168,
0.1936


 98.3251, 0.3175,
0.2665

 2.8297, 0.3146,
0.1675

126.1786, 0.3173,
0.2710

 1.0435, 0.3088,
0.1305

158.8504, 0.3171,
0.2750

 0.0000, 0.3172,
0.0000

196.7250, 0.3169,

 0.0000, 0.0000,

0.2784

0.0000

240.1867, 0.3167,
0.2814

■ 27.4065, 0.3181,
0.2385

■ 27.4065, 0.3181,
0.2385

■ 23.3819, 0.3195,
0.2164

■ 32.3258, 0.3166,
0.2622

■ 20.1948, 0.3209,
0.1969

■ 38.1853, 0.3152,
0.2866

■ 17.7869, 0.3221,
0.1809

■ 45.0319, 0.3137,
0.3109

■ 16.0912, 0.3231,
0.1688

■ 52.9080, 0.3124,
0.3346


■ 15.0292, 0.3238,
0.1609

■ 61.8540, 0.3111,
0.3571


 14.4854, 0.3244,
0.1569

 71.9076, 0.3100,
0.3782

 14.3840, 0.3246,
0.1562

 83.1051, 0.3090,
0.3976

 86.0733, 0.3086,
0.4020

 86.0853, 0.3084,
0.4017

Harmonies

Analogous

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



27.4065, 0.2470, 0.2154



27.4065, 0.3181, 0.2385



27.4065, 0.3969, 0.2800

Triad

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



27.4065, 0.3181, 0.2385



27.4065, 0.4299, 0.4418



27.4065, 0.1893, 0.2997

Complementary

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



27.4065, 0.3181, 0.2385



41.6005, 0.3067, 0.4399

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.



27.4065, 0.2282, 0.3809



27.4065, 0.3181, 0.2385



27.4065, 0.3666, 0.4711

Square

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



27.4065, 0.3181, 0.2385



27.4065, 0.4641, 0.3897



27.4065, 0.2927, 0.4512



27.4065, 0.1803, 0.2421

Rectangle

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



27.4065, 0.3181, 0.2385



27.4065, 0.4389, 0.3144



27.4065, 0.2927, 0.4512



27.4065, 0.1989, 0.3252

Sweetspot

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



27.4077, 0.3181, 0.2385



76.0095, 0.3142, 0.3023



20.4761, 0.2448, 0.2166



15.9851, 0.3144, 0.2990



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.



27.4077, 0.3181, 0.2385



43.0872, 0.3193, 0.2204



26.0929, 0.3577, 0.2806



9.6938, 0.3140, 0.3067



9.6728, 0.3245, 0.1561



0.3797, 0.3236, 0.1556

Inverse Universe

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



27.4077, 0.3181, 0.2385



43.0872, 0.3193, 0.2204



42.5854, 0.2836, 0.3837



9.6938, 0.3140, 0.3067



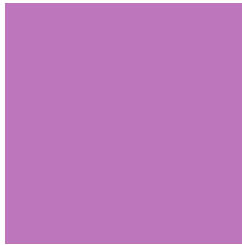
9.6728, 0.3245, 0.1561



0.3797, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 27.4065, 0.3181, 0.2385 looks on a white background.

Color Contrast Check

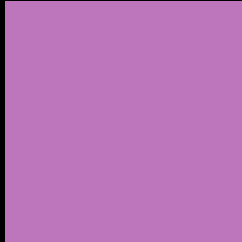
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4065, 0.3181, 0.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

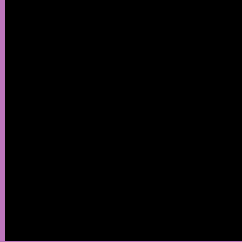
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4065, 0.3181, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 27.4065, 0.3181, 0.2385.



This preview shows how white text looks on a background with the Yxy color 27.4065, 0.3181, 0.2385.

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

27.4065, 0.3181, 0.2385

Protanopia

27.7169, 0.2428, 0.2334

Deuteranopia

27.7447, 0.2691, 0.2635



Tritanopia

27.3406, 0.3667, 0.3149

Trichromacy



Original Color

27.4065, 0.3181, 0.2385



Protanomaly

27.1016, 0.2661, 0.2347



Deuteranomaly

27.2464, 0.2854, 0.2536



Tritanomaly

27.1299, 0.3486, 0.2847

Monochromacy



Original Color

27.4065, 0.3181, 0.2385



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8983, 0.3145, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4065, 0.3181, 0.2385 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 118, 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(189, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 118, 188) }
```

Border

The CSS property to change the border of an element to Yxy 27.4065, 0.3181, 0.2385 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, 188) }
```

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

```
.border{ border-color:rgb(189, 118, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 118, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 118, 188); box-shadow:4px 4px 4px 4px rgb(189, 118, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4065, 0.3181, 0.2385 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, 188) }
```

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

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