

Converting Colors

$Y_{xy}(27.6791, 0.3229, 0.2641)$

Have a look what the booklet for
Yxy(27.6791, 0.3229, 0.2641)
contains.

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Color

Yxy(27.6421, 0.3235, 0.2644)

Conversions

Conversions Part 1

Format	Color
Hex	B47EAD
RGB	180, 126, 173
RGB Percent	71%, 49%, 68%
CMY	0.2942, 0.5058, 0.3216
CMYK	0.00, 0.30, 0.04, 0.29
HSL	308°, 26%, 60%
HSV	308°, 30%, 71%
XYZ	33.8208, 27.6421, 43.0836
YIQ	147.5040, 17.0970, 26.0650

Conversions

Conversions Part 2

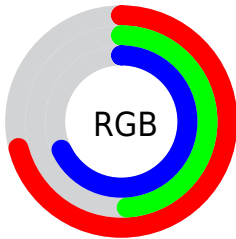
Format	Color
RYB	180, 126, 173
Decimal	11828909
CIELab	59.56, 28.60, -16.55
CIElCh	60, 33.046, 329.952
Yxy	27.6421, 0.3235, 0.2644
Android (android.graphics.Color)	4290018989 (0xFFB47EAD)
YUV	147.5040, 12.5695, 28.4990
Hunter-Lab	52.5758, 22.8175, -11.7826

Details

The Yxy color $27.6421, 0.3235, 0.2644$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $38.7627, 0.3035, 0.4035$, and the grayscale version is $29.3391, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7302, 0.3210, 0.2758$, and $10.9850, 0.3249, 0.2438$ is the 20% darker color. If you saturate the color by 10%, you get $23.3571, 0.3279, 0.2431$, and if you desaturate by 10%, it is $32.7592, 0.3195, 0.2863$.

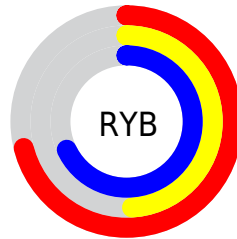
Distribution



Red (71%)

Green (49%)

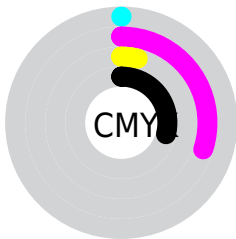
Blue (68%)



Red (71%)

Yellow (49%)

Blue (68%)

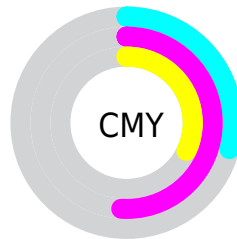


Cyan (0%)

Magenta (30%)

Yellow (4%)

Black (29%)



Cyan (29%)


Magenta (51%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6421, 0.3235, 0.2644 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 27.6421, 0.3235, 0.2644 by changing the saturation by 10% instead.


 27.6421, 0.3235,
0.2644

 27.6421, 0.3235,
0.2644


290.7528, 0.3184,
0.2977


 18.0560, 0.3247,
0.2558


 55.9125, 0.3217,
0.2767

 10.9902, 0.3260,
0.2445


 75.3657, 0.3210,
0.2813

 6.0603, 0.3277,
0.2293


 98.8767, 0.3204,
0.2851

 2.8818, 0.3296,
0.2076

126.8299, 0.3199,
0.2884

 1.0703, 0.3313,
0.1744

159.6097, 0.3195,
0.2912

 0.0000, 0.3699,
0.0000

197.6005, 0.3191,

 0.0000, 0.0000,

0.2937

0.0000

241.1867, 0.3187,
0.2958

■ 27.6421, 0.3235,
0.2644

■ 27.6421, 0.3235,
0.2644

■ 23.3571, 0.3279,
0.2431

■ 32.7592, 0.3195,
0.2863

■ 19.8561, 0.3326,
0.2233

■ 38.7457, 0.3159,
0.3080

■ 17.0916, 0.3375,
0.2059

■ 45.6413, 0.3127,
0.3290

■ 15.0098, 0.3425,
0.1918

■ 53.4821, 0.3099,
0.3491

■ 13.5493, 0.3474,
0.1817

■ 62.3021, 0.3076,
0.3678

■ 12.6377, 0.3520,
0.1759

■ 72.1337, 0.3055,
0.3852

■ 12.1247, 0.3564,
0.1737

■ 83.0080, 0.3038,
0.4012

■ 12.1238, 0.3565,
0.1737

■ 85.0094, 0.3025,
0.4015

■ 85.1132, 0.3013,
0.3987

Harmonies

Analogous

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



27.6421, 0.2703, 0.2452



27.6421, 0.3235, 0.2644



27.6421, 0.3781, 0.2977

Triad

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



27.6421, 0.3235, 0.2644



27.6421, 0.3956, 0.4161



27.6421, 0.2200, 0.3050

Complementary

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



27.6421, 0.3235, 0.2644



38.7627, 0.3035, 0.4035

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.



27.6421, 0.2482, 0.3600



27.6421, 0.3235, 0.2644



27.6421, 0.3490, 0.4291

Square

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



27.6421, 0.3235, 0.2644



27.6421, 0.4209, 0.3816



27.6421, 0.2950, 0.4089



27.6421, 0.2146, 0.2640

Rectangle

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



27.6421, 0.3235, 0.2644



27.6421, 0.4057, 0.3248



27.6421, 0.2950, 0.4089



27.6421, 0.2270, 0.3225

Sweetspot

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



27.6433, 0.3235, 0.2644



71.2462, 0.3156, 0.3098



23.1513, 0.2667, 0.2444



15.0358, 0.3161, 0.3067



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6433, 0.3235, 0.2644



44.8168, 0.3264, 0.2502



26.7237, 0.3533, 0.2995



8.6274, 0.3157, 0.3094



8.4713, 0.3560, 0.1735



0.2718, 0.3449, 0.1674

Inverse Universe

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



27.6433, 0.3235, 0.2644



44.8168, 0.3264, 0.2502



39.5826, 0.2844, 0.3608



8.6274, 0.3157, 0.3094



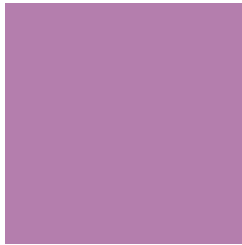
8.4713, 0.3560, 0.1735



0.2718, 0.3449, 0.1674

Previews

White Background



This preview shows how the Yxy color 27.6421, 0.3235, 0.2644 looks on a white background.

Color Contrast Check

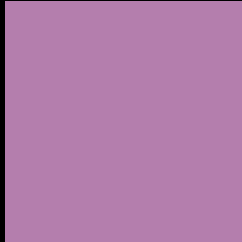
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6421, 0.3235, 0.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

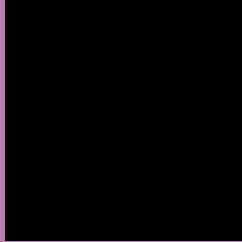
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6421, 0.3235, 0.2644

Background



This preview shows how black text looks on a background with the Yxy color 27.6421, 0.3235, 0.2644.



This preview shows how white text looks on a background with the Yxy color 27.6421, 0.3235, 0.2644.

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

27.6421, 0.3235, 0.2644

Protanopia

27.7932, 0.2666, 0.2646

Deuteranopia

27.6782, 0.2893, 0.2828



Tritanopia

27.6856, 0.3526, 0.3145

Trichromacy



Original Color

27.6421, 0.3235, 0.2644

Protanomaly

27.3876, 0.2850, 0.2636

Deuteranomaly

27.5373, 0.3014, 0.2756

Tritanomaly

27.6123, 0.3417, 0.2961

Monochromacy



Original Color

27.6421, 0.3235, 0.2644

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6641, 0.3171, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6421, 0.3235, 0.2644 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(180, 126, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 126, 173)  
}
```

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(180, 126, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 126, 173) }
```

Border

The CSS property to change the border of an element to Yxy 27.6421, 0.3235, 0.2644 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(180, 126, 173) }
```

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

```
.border{ border-color:rgb(180, 126, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 126, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 126, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 126, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 126,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6421, 0.3235, 0.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 126, 173) }
```

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

```
.background{ background-color: rgb(180,  
126, 173) }
```

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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