

Converting Colors

$Y_{xy}(26.7200, 0.3215, 0.2568)$

Have a look what the booklet for
Yxy(26.7200, 0.3215, 0.2568)
contains.

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Color

Yxy(26.7175, 0.3217, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	B47AAF
RGB	180, 122, 175
RGB Percent	71%, 48%, 69%
CMY	0.2941, 0.5216, 0.3136
CMYK	0.00, 0.32, 0.03, 0.29
HSL	305°, 28%, 59%
HSV	305°, 32%, 71%
XYZ	33.5219, 26.7175, 43.9630
YIQ	145.3840, 17.5550, 28.7790

Conversions

Conversions Part 2

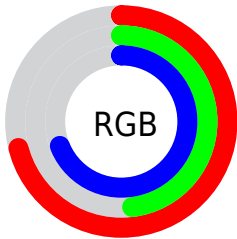
Format	Color
R _Y B	180, 122, 175
Decimal	11827887
CIE Lab	58.71, 31.23, -19.01
CIE LCh	59, 36.560, 328.673
Yxy	26.7175, 0.3217, 0.2564
Android (android.graphics.Color)	4290017967 (0xFFB47AAF)
YUV	145.3840, 14.6007, 30.3582
Hunter-Lab	51.6890, 25.3071, -14.2456

Details

The Yxy color **26.7175, 0.3217, 0.2564** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.3115, 0.3047, 0.4143**, and the grayscale version is **28.4147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4340, 0.3205, 0.2697**, and **10.4755, 0.3238, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **22.6400, 0.3250, 0.2346**, and if you desaturate by 10%, it is **31.6167, 0.3186, 0.2791**.

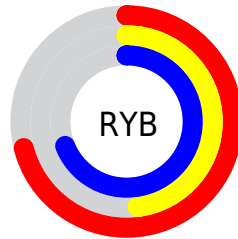
Distribution



Red (71%)

Green (48%)

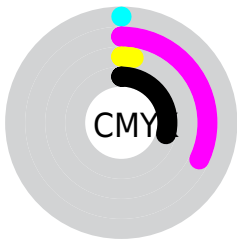
Blue (69%)



Red (71%)

Yellow (48%)

Blue (69%)

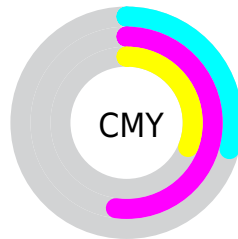


Cyan (0%)

Magenta (32%)

Yellow (3%)

Black (29%)



Cyan (29%)


Magenta (52%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7175, 0.3217, 0.2564 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 26.7175, 0.3217, 0.2564 by changing the saturation by 10% instead.


 26.7175, 0.3217,
0.2564


 26.7175, 0.3217,
0.2564


286.2867, 0.3177,
0.2938

 17.3612, 0.3225,
0.2468


 54.4302, 0.3204,
0.2702

 10.4923, 0.3233,
0.2343


 73.5554, 0.3199,
0.2753

 5.7266, 0.3242,
0.2174


 96.7056, 0.3194,
0.2796

 2.6796, 0.3247,
0.1935

124.2653, 0.3190,
0.2833

 0.9668, 0.3238,
0.1575

156.6189, 0.3186,
0.2865

 0.0000, 0.3452,
0.0000

194.1507, 0.3183,

 0.0000, 0.0000,

0.2892

0.0000

237.2452, 0.3180,
0.2916

■ 26.7175, 0.3217,
0.2564

■ 26.7175, 0.3217,
0.2564

■ 22.6400, 0.3250,
0.2346

■ 31.6167, 0.3186,
0.2791

■ 19.3353, 0.3284,
0.2146

■ 37.3760, 0.3158,
0.3019

■ 16.7551, 0.3319,
0.1973

■ 44.0352, 0.3132,
0.3242

■ 14.8439, 0.3353,
0.1836

■ 51.6312, 0.3110,
0.3455

■ 13.5382, 0.3385,
0.1740


■ 60.1983, 0.3090,
0.3655


 12.7624, 0.3415,
0.1686

 69.7694, 0.3073,
0.3842

 12.4045, 0.3437,
0.1667

 80.3758, 0.3058,
0.4014

 84.8269, 0.3048,
0.4065

 84.8935, 0.3039,
0.4047

Harmonies

Analogous

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



26.7175, 0.2631, 0.2361



26.7175, 0.3217, 0.2564



26.7175, 0.3834, 0.2922

Triad

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



26.7175, 0.3217, 0.2564



26.7175, 0.4063, 0.4241



26.7175, 0.2108, 0.3039

Complementary

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



26.7175, 0.3217, 0.2564



38.3115, 0.3047, 0.4143

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.



26.7175, 0.2426, 0.3663



26.7175, 0.3217, 0.2564



26.7175, 0.3548, 0.4416

Square

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



26.7175, 0.3217, 0.2564



26.7175, 0.4338, 0.3843



26.7175, 0.2948, 0.4212



26.7175, 0.2041, 0.2577

Rectangle

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



26.7175, 0.3217, 0.2564



26.7175, 0.4153, 0.3216



26.7175, 0.2948, 0.4212



26.7175, 0.2187, 0.3237

Sweetspot

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



26.7187, 0.3217, 0.2564



70.1121, 0.3152, 0.3065



21.7136, 0.2608, 0.2367



14.8110, 0.3156, 0.3034



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.



26.7187, 0.3217, 0.2564



42.8038, 0.3241, 0.2400



25.7028, 0.3550, 0.2945



8.6339, 0.3150, 0.3084



8.6625, 0.3433, 0.1665



0.2762, 0.3364, 0.1627

Inverse Universe

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



26.7187, 0.3217, 0.2564



42.8038, 0.3241, 0.2400



39.1747, 0.2839, 0.3666



8.6339, 0.3150, 0.3084



8.6625, 0.3433, 0.1665



0.2762, 0.3364, 0.1627

Previews

White Background



This preview shows how the Yxy color 26.7175, 0.3217, 0.2564 looks on a white background.

Color Contrast Check

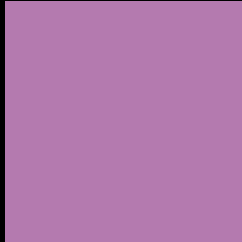
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7175, 0.3217, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

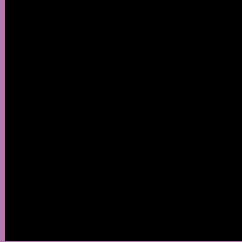
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7175, 0.3217, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 26.7175, 0.3217, 0.2564.



This preview shows how white text looks on a background with the Yxy color 26.7175, 0.3217, 0.2564.

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

26.7175, 0.3217, 0.2564

Protanopia

26.9762, 0.2589, 0.2553

Deuteranopia

26.7310, 0.2825, 0.2761



Tritanopia

26.6786, 0.3558, 0.3144

Trichromacy



Original Color

26.7175, 0.3217, 0.2564

Protanomaly

26.3970, 0.2793, 0.2545

Deuteranomaly

26.4882, 0.2964, 0.2678

Tritanomaly

26.5358, 0.3436, 0.2917

Monochromacy



Original Color

26.7175, 0.3217, 0.2564

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5607, 0.3162, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7175, 0.3217, 0.2564 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, 122, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 122, 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(180, 122, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 122, 175) }
```

Border

The CSS property to change the border of an element to Yxy 26.7175, 0.3217, 0.2564 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, 122, 175) }
```

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

```
.border{ border-color:rgb(180, 122, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 122, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 122, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 122, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 122,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7175, 0.3217, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 122, 175) }
```

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

```
.background{ background-color: rgb(180,  
122, 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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