

Converting Colors

$Y_{xy}(26.6271, 0.3156, 0.2674)$

Have a look what the booklet for
Yxy(26.6271, 0.3156, 0.2674)
contains.

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Color

Yxy(26.6271, 0.3156, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	AA7FAA
RGB	170, 127, 170
RGB Percent	67%, 50%, 67%
CMY	0.3333, 0.5020, 0.3332
CMYK	0.00, 0.25, 0.00, 0.33
HSL	300°, 20%, 58%
HSV	300°, 25%, 67%
XYZ	31.4267, 26.6271, 41.5239
YIQ	144.7590, 11.8250, 22.4890

Conversions

Conversions Part 2

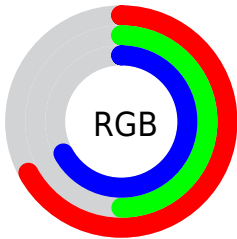
Format	Color
R _Y B	170, 127, 170
Decimal	11173802
CIE Lab	58.63, 24.08, -16.37
CIE LCh	59, 29.112, 325.790
Yxy	26.6271, 0.3156, 0.2674
Android (android.graphics.Color)	4289363882 (0xFFAA7FAA)
YUV	144.7590, 12.4438, 22.1364
Hunter-Lab	51.6015, 18.4090, -11.5899

Details

The Yxy color $26.6271, 0.3156, 0.2674$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $34.8019, 0.3094, 0.3994$, and the grayscale version is $28.1587, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.2475, 0.3159, 0.2796$, and $10.3977, 0.3149, 0.2469$ is the 20% darker color. If you saturate the color by 10%, you get $22.6009, 0.3167, 0.2434$, and if you desaturate by 10%, it is $31.3967, 0.3144, 0.2920$.

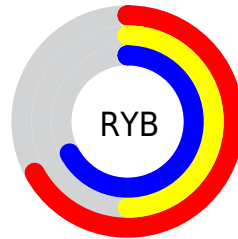
Distribution



Red (67%)

Green (50%)

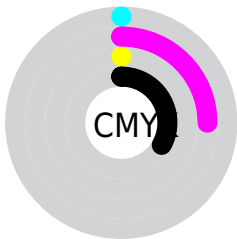
Blue (67%)



Red (67%)

Yellow (50%)

Blue (67%)

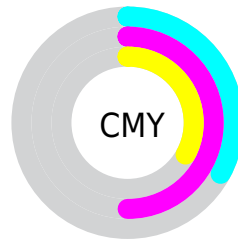


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (50%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6271, 0.3156, 0.2674 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 26.6271, 0.3156, 0.2674 by changing the saturation by 10% instead.


 26.6271, 0.3156,
0.2674


 26.6271, 0.3156,
0.2674


285.8470, 0.3146,
0.2995


 17.2934, 0.3156,
0.2590


 54.2849, 0.3154,
0.2794

 10.4439, 0.3156,
0.2479


 73.3778, 0.3153,
0.2838

 5.6942, 0.3152,
0.2328


 96.4924, 0.3151,
0.2875

 2.6601, 0.3140,
0.2109

124.0133, 0.3150,
0.2906

 0.9570, 0.3106,
0.1770

156.3248, 0.3149,
0.2933

 0.0000, 0.3117,
0.0000

193.8114, 0.3148,

 0.0000, 0.0000,

0.2956

0.0000

236.8573, 0.3147,
0.2977

■ 26.6271, 0.3156,
0.2674

■ 26.6271, 0.3156,
0.2674

■ 22.6009, 0.3167,
0.2434

■ 31.3967, 0.3144,
0.2920

■ 19.2775, 0.3178,
0.2207

■ 36.9407, 0.3133,
0.3164

■ 16.6175, 0.3187,
0.2005

■ 43.2928, 0.3122,
0.3399

■ 14.5765, 0.3195,
0.1834

■ 50.4835, 0.3112,
0.3623

■ 13.1046, 0.3201,
0.1701

■ 58.5418, 0.3102,
0.3832

■ 12.1440, 0.3206,
0.1610

■ 67.4952, 0.3093,
0.4025

■ 11.6226, 0.3208,
0.1559

■ 77.3701, 0.3084,
0.4201

■ 11.4492, 0.3209,
0.1541

■ 82.9729, 0.3080,
0.4288

■ 82.9732, 0.3080,
0.4288

Harmonies

Analogous

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



26.6271, 0.2691, 0.2521



26.6271, 0.3156, 0.2674



26.6271, 0.3649, 0.2962

Triad

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



26.6271, 0.3156, 0.2674



26.6271, 0.3917, 0.4040



26.6271, 0.2316, 0.3145

Complementary

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



26.6271, 0.3156, 0.2674



34.8019, 0.3094, 0.3994

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.



26.6271, 0.2601, 0.3635



26.6271, 0.3156, 0.2674



26.6271, 0.3522, 0.4180

Square

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



26.6271, 0.3156, 0.2674



26.6271, 0.4104, 0.3720



26.6271, 0.3039, 0.4038



26.6271, 0.2236, 0.2752

Rectangle

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



26.6271, 0.3156, 0.2674



26.6271, 0.3912, 0.3204



26.6271, 0.3039, 0.4038



26.6271, 0.2390, 0.3305

Sweetspot

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



26.6283, 0.3156, 0.2674



64.0057, 0.3136, 0.3095



22.7778, 0.2703, 0.2598



13.9356, 0.3138, 0.3059



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



26.6283, 0.3156, 0.2674



44.3115, 0.3162, 0.2547



25.9029, 0.3385, 0.2961



7.6666, 0.3138, 0.3067



8.4198, 0.3209, 0.1541



0.2049, 0.3209, 0.1541

Inverse Universe

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



25.2580, 0.3649, 0.3291



41.4237, 0.3798, 0.3292



35.4008, 0.2930, 0.3645



7.5423, 0.3286, 0.3290



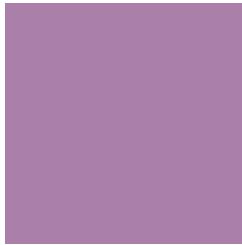
6.2866, 0.6401, 0.3300



0.1530, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 26.6271, 0.3156, 0.2674 looks on a white background.

Color Contrast Check

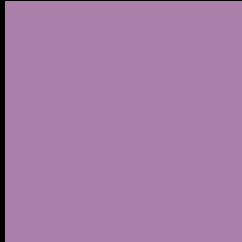
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6271, 0.3156, 0.2674 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 26.6271, 0.3156, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 26.6271, 0.3156, 0.2674.



This preview shows how white text looks on a background with the Yxy color 26.6271, 0.3156, 0.2674.

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

26.6271, 0.3156, 0.2674

Protanopia

26.8361, 0.2684, 0.2680

Deuteranopia

26.7549, 0.2880, 0.2821



Tritanopia

26.5625, 0.3411, 0.3139

Trichromacy



Original Color

26.6271, 0.3156, 0.2674

Protanomaly

26.4823, 0.2836, 0.2665

Deuteranomaly

26.5902, 0.2971, 0.2759

Tritanomaly

26.4478, 0.3314, 0.2962

Monochromacy



Original Color

26.6271, 0.3156, 0.2674

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.3801, 0.3139, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6271, 0.3156, 0.2674 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(170, 127, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 170)  
}
```

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(170, 127, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 170) }
```

Border

The CSS property to change the border of an element to Yxy 26.6271, 0.3156, 0.2674 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(170, 127, 170) }
```

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

```
.border{ border-color:rgb(170, 127, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 127, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6271, 0.3156, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 170) }
```

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

```
.background{ background-color: rgb(170,  
127, 170) }
```

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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