

Converting Colors

$Y_{xy}(27.0277, 0.3159, 0.2615)$

Have a look what the booklet for
Yxy(27.0277, 0.3159, 0.2615)
contains.

Yxy(26.9764, 0.3159, 0.2617)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9764, 0.3159, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	AE7EAE
RGB	174, 126, 174
RGB Percent	68%, 49%, 68%
CMY	0.3175, 0.5059, 0.3176
CMYK	0.00, 0.28, 0.00, 0.32
HSL	300°, 23%, 59%
HSV	300°, 28%, 68%
XYZ	32.5634, 26.9764, 43.5416
YIQ	145.8240, 13.2000, 25.1040

Conversions

Conversions Part 2

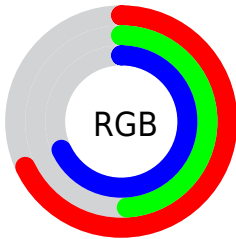
Format	Color
RYB	174, 126, 174
Decimal	11435694
CIELab	58.95, 26.79, -18.12
CIELCh	59, 32.346, 325.931
Yxy	26.9764, 0.3159, 0.2617
Android (android.graphics.Color)	4289625774 (0xFFAE7EAE)
YUV	145.8240, 13.8908, 24.7104
Hunter-Lab	51.9388, 21.0189, -13.3471

Details

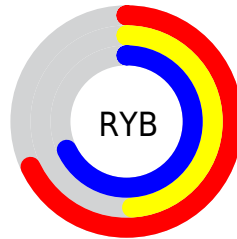
The Yxy color $26.9764, 0.3159, 0.2617$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $36.2278, 0.3090, 0.4069$, and the grayscale version is $28.6082, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.7764, 0.3153, 0.2740$, and $10.6143, 0.3168, 0.2416$ is the 20% darker color. If you saturate the color by 10%, you get $22.9075, 0.3170, 0.2379$, and if you desaturate by 10%, it is $31.8219, 0.3147, 0.2863$.

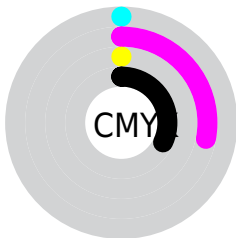
Distribution



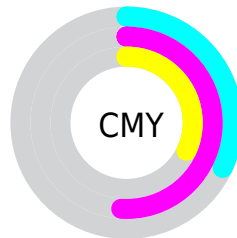
- Red (68%)
- Green (49%)
- Blue (68%)



- Red (68%)
- Yellow (49%)
- Blue (68%)



- Cyan (0%)
- Magenta (28%)
- Yellow (0%)
- Black (32%)



- Cyan (32%)
- Magenta (51%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9764, 0.3159, 0.2617 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 26.9764, 0.3159, 0.2617 by changing the saturation by 10% instead.


 26.9764, 0.3159,
0.2617


 26.9764, 0.3159,
0.2617


287.5428, 0.3149,
0.2965


 17.5555, 0.3159,
0.2527


 54.8460, 0.3157,
0.2746

 10.6313, 0.3158,
0.2409


 74.0635, 0.3156,
0.2794

 5.8195, 0.3152,
0.2249


 97.3153, 0.3155,
0.2834

 2.7356, 0.3138,
0.2021

124.9858, 0.3153,
0.2868

 0.9953, 0.3099,
0.1673

157.4594, 0.3152,
0.2897

 0.0000, 0.3208,
0.0000

195.1205, 0.3151,

 0.0000, 0.0000,

0.2923

0.0000

238.3535, 0.3150,
0.2945

■ 26.9764, 0.3159,
0.2617

■ 26.9764, 0.3159,
0.2617

■ 22.9075, 0.3170,
0.2379

■ 31.8219, 0.3147,
0.2863

■ 19.5715, 0.3181,
0.2157

■ 37.4777, 0.3136,
0.3108

■ 16.9260, 0.3190,
0.1961

■ 43.9798, 0.3125,
0.3346

■ 14.9226, 0.3198,
0.1799

■ 51.3609, 0.3114,
0.3573

■ 13.5067, 0.3204,
0.1676

■ 59.6520, 0.3104,
0.3786

■ 12.6147, 0.3208,
0.1594

■ 68.8827, 0.3094,
0.3983

■ 12.1474, 0.3210,
0.1551

■ 79.0812, 0.3086,
0.4163

■ 12.0570, 0.3210,
0.1542

■ 83.5822, 0.3083,
0.4233

■ 83.5826, 0.3083,
0.4233

Harmonies

Analogous

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



26.9764, 0.2647, 0.2449



26.9764, 0.3159, 0.2617



26.9764, 0.3706, 0.2930

Triad

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



26.9764, 0.3159, 0.2617



26.9764, 0.3994, 0.4114



26.9764, 0.2236, 0.3122

Complementary

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



26.9764, 0.3159, 0.2617



36.2278, 0.3090, 0.4069

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.



26.9764, 0.2544, 0.3670



26.9764, 0.3159, 0.2617



26.9764, 0.3555, 0.4278

Square

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



26.9764, 0.3159, 0.2617



26.9764, 0.4206, 0.3757



26.9764, 0.3023, 0.4124



26.9764, 0.2151, 0.2691

Rectangle

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



26.9764, 0.3159, 0.2617



26.9764, 0.3999, 0.3193



26.9764, 0.3023, 0.4124



26.9764, 0.2315, 0.3300

Sweetspot

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



26.9776, 0.3159, 0.2617



67.3655, 0.3136, 0.3095



22.4101, 0.2656, 0.2511



14.6151, 0.3138, 0.3059



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



26.9776, 0.3159, 0.2617



44.3388, 0.3166, 0.2473



26.1234, 0.3425, 0.2940



8.1480, 0.3138, 0.3067



8.7409, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Inverse Universe

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



26.9776, 0.3159, 0.2617



44.3388, 0.3166, 0.2473



36.9235, 0.2907, 0.3670



8.1480, 0.3138, 0.3067



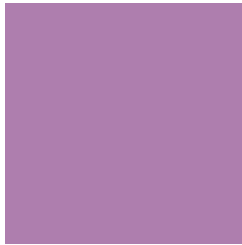
8.7409, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 26.9764, 0.3159, 0.2617 looks on a white background.

Color Contrast Check

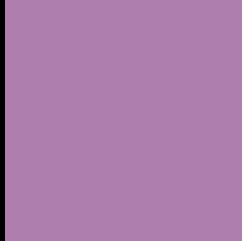
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9764, 0.3159, 0.2617 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 26.9764, 0.3159, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 26.9764, 0.3159, 0.2617.



This preview shows how white text looks on a background with the Yxy color 26.9764, 0.3159, 0.2617.

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

26.9764, 0.3159, 0.2617

Protanopia

27.3357, 0.2647, 0.2627

Deuteranopia

27.1065, 0.2835, 0.2778



Tritanopia

27.0016, 0.3457, 0.3142

Trichromacy



Original Color

26.9764, 0.3159, 0.2617

Protanomaly

27.1067, 0.2821, 0.2630

Deuteranomaly

26.8396, 0.2943, 0.2705

Tritanomaly

26.9563, 0.3337, 0.2939

Monochromacy



Original Color

26.9764, 0.3159, 0.2617

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9335, 0.3139, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9764, 0.3159, 0.2617 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(174, 126, 174)` looks like.

```
.text, #text, p{  
    color:rgb(174, 126, 174)  
}
```

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(174, 126, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 126, 174) }
```

Border

The CSS property to change the border of an element to Yxy 26.9764, 0.3159, 0.2617 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(174, 126, 174) }
```

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

```
.border{ border-color:rgb(174, 126, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 126, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 126, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 126, 174);  
box-shadow:4px 4px 4px 4px rgb(174, 126,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9764, 0.3159, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 126, 174) }
```

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

```
.background{ background-color: rgb(174,  
126, 174) }
```

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