

Converting Colors

$Y_{xy}(16.9517, 0.3375, 0.2681)$

Have a look what the booklet for
Yxy(16.9517, 0.3375, 0.2681)
contains.

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Color

Yxy(16.9687, 0.3365, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	966287
RGB	150, 98, 135
RGB Percent	59%, 38%, 53%
CMY	0.4117, 0.6157, 0.4706
CMYK	0.00, 0.35, 0.10, 0.41
HSL	317°, 21%, 49%
HSV	317°, 35%, 59%
XYZ	21.3218, 16.9687, 25.0729
YIQ	117.7660, 19.1150, 22.5310

Conversions

Conversions Part 2

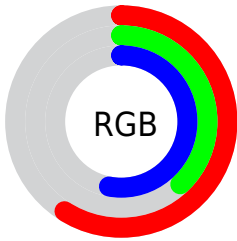
Format	Color
R _Y B	150, 98, 135
Decimal	9855623
CIE Lab	48.22, 26.99, -11.86
CIE LCh	48, 29.486, 336.278
Yxy	16.9687, 0.3365, 0.2678
Android (android.graphics.Color)	4288045703 (0xFF966287)
YUV	117.7660, 8.4964, 28.2692
Hunter-Lab	41.1931, 20.3047, -7.2527

Details

The Yxy color **16.9687, 0.3365, 0.2678** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.6094, 0.2952, 0.3995**, and the grayscale version is **18.0088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4227, 0.3316, 0.2821**, and **5.5338, 0.3459, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **14.3010, 0.3457, 0.2503**, and if you desaturate by 10%, it is **20.1691, 0.3284, 0.2858**.

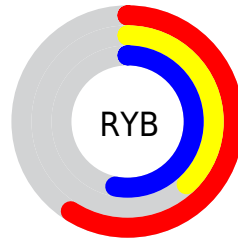
Distribution



Red (59%)

Green (38%)

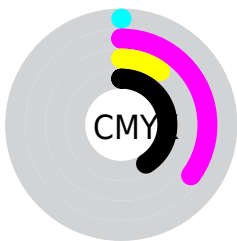
Blue (53%)



Red (59%)

Yellow (38%)

Blue (53%)

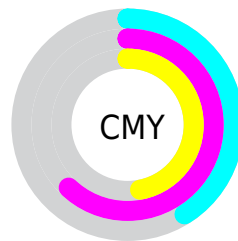


Cyan (0%)

Magenta (35%)

Yellow (10%)

Black (41%)



Cyan (41%)

Magenta (62%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9687, 0.3365, 0.2678 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 16.9687, 0.3365, 0.2678 by changing the saturation by 10% instead.


 16.9687, 0.3365,
0.2678


 16.9687, 0.3365,
0.2678


234.9919, 0.3234,
0.3019


 10.2122, 0.3403,
0.2579


 38.2720, 0.3314,
0.2812


 5.5399, 0.3454,
0.2442


 53.5875, 0.3296,
0.2859

 2.5674, 0.3528,
0.2242

 72.5248, 0.3281,
0.2897

 0.9103, 0.3644,
0.1923

 95.4683, 0.3268,
0.2930

 0.0000, 0.4342,
0.0000

122.8023, 0.3258,
0.2957

 0.0000, 0.0000,
0.0000

154.9114, 0.3249,

0.2981

192.1798, 0.3241,
0.3001

■ 16.9687, 0.3365,
0.2678

■ 16.9687, 0.3365,
0.2678

■ 14.3010, 0.3457,
0.2503

■ 20.1691, 0.3284,
0.2858

■ 12.1341, 0.3560,
0.2343

■ 23.9272, 0.3213,
0.3038

■ 10.4364, 0.3671,
0.2206

■ 28.2690, 0.3152,
0.3211

■ 9.1716, 0.3787,
0.2102

■ 33.2184, 0.3101,
0.3377

■ 8.2983, 0.3906,
0.2040

■ 38.7978, 0.3057,
0.3532

■ 7.7638, 0.4023,
0.2025

■ 45.0286, 0.3021,
0.3676

■ 7.5417, 0.4087,
0.2025

■ 51.9309, 0.2990,
0.3809

■ 59.5244, 0.2965,
0.3932

■ 67.8276, 0.2943,
0.4044

Harmonies

Analogous

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



16.9687, 0.2789, 0.2443



16.9687, 0.3365, 0.2678



16.9687, 0.3917, 0.3047

Triad

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



16.9687, 0.3365, 0.2678



16.9687, 0.3904, 0.4254



16.9687, 0.2126, 0.2928

Complementary

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



16.9687, 0.3365, 0.2678



25.6094, 0.2952, 0.3995

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.



16.9687, 0.2370, 0.3489



16.9687, 0.3365, 0.2678



16.9687, 0.3386, 0.4331

Square

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



16.9687, 0.3365, 0.2678



16.9687, 0.4229, 0.3923



16.9687, 0.2824, 0.4043



16.9687, 0.2121, 0.2545

Rectangle

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



16.9687, 0.3365, 0.2678



16.9687, 0.4170, 0.3337



16.9687, 0.2824, 0.4043



16.9687, 0.2181, 0.3101

Sweetspot

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



16.9695, 0.3365, 0.2678



45.5172, 0.3185, 0.3116



14.4298, 0.2692, 0.2333



9.8758, 0.3192, 0.3094



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.9695, 0.3365, 0.2678



26.0341, 0.3439, 0.2535



16.3301, 0.3742, 0.3098



5.8809, 0.3179, 0.3134



6.2584, 0.4079, 0.2021



0.0817, 0.3605, 0.1760

Inverse Universe

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



16.9695, 0.3365, 0.2678



26.0341, 0.3439, 0.2535



26.2735, 0.2739, 0.3495



5.8809, 0.3179, 0.3134



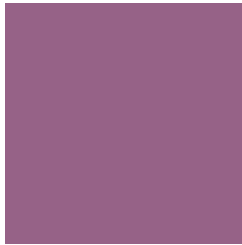
6.2584, 0.4079, 0.2021



0.0817, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 16.9687, 0.3365, 0.2678 looks on a white background.

Color Contrast Check

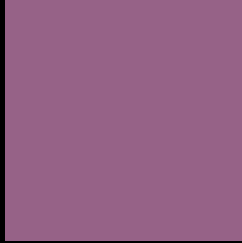
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9687, 0.3365, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

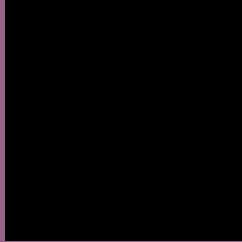
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9687, 0.3365, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 16.9687, 0.3365, 0.2678.



This preview shows how white text looks on a background with the Yxy color 16.9687, 0.3365, 0.2678.

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

16.9687, 0.3365, 0.2678

Protanopia

17.2358, 0.2693, 0.2688

Deuteranopia

17.1058, 0.2967, 0.2912



Tritanopia

17.0293, 0.3666, 0.3170

Trichromacy



Original Color

16.9687, 0.3365, 0.2678

Protanomaly

16.8891, 0.2914, 0.2673

Deuteranomaly

16.9547, 0.3110, 0.2820

Tritanomaly

16.9352, 0.3556, 0.2982

Monochromacy



Original Color

16.9687, 0.3365, 0.2678

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.5699, 0.3218, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9687, 0.3365, 0.2678 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(150, 98, 135)` looks like.

```
.text, #text, p{  
    color:rgb(150, 98, 135)  
}
```

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(150, 98, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 98, 135) }
```

Border

The CSS property to change the border of an element to Yxy 16.9687, 0.3365, 0.2678 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(150, 98, 135) }
```

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

```
.border{ border-color:rgb(150, 98, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 98, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 98, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 98, 135);  
box-shadow:4px 4px 4px 4px rgb(150, 98,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9687, 0.3365, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 98, 135) }
```

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

```
.background{ background-color: rgb(150, 98,  
135) }
```

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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