

Converting Colors

$Y_{xy}(19.0462, 0.3429, 0.2593)$

Have a look what the booklet for
Yxy(19.0462, 0.3429, 0.2593)
contains.

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Color

Yxy(18.9673, 0.3428, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	A56391
RGB	165, 99, 145
RGB Percent	65%, 39%, 57%
CMY	0.3531, 0.6117, 0.4314
CMYK	0.00, 0.40, 0.12, 0.35
HSL	318°, 27%, 52%
HSV	318°, 40%, 65%
XYZ	25.0848, 18.9673, 29.1242
YIQ	123.9780, 24.5700, 28.2980

Conversions

Conversions Part 2

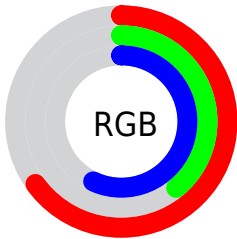
Format	Color
R_{YB}	165, 99, 145
Decimal	10838929
CIE _{Lab}	50.65, 33.44, -13.95
CIE _{LCh}	51, 36.235, 337.355
Yxy	18.9673, 0.3428, 0.2592
Android (android.graphics.Color)	4289029009 (0xFFA56391)
YUV	123.9780, 10.3638, 35.9763
Hunter-Lab	43.5515, 26.5976, -9.1630

Details

The Yxy color **18.9673, 0.3428, 0.2592** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.8859, 0.2921, 0.4114**, and the grayscale version is **20.1078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6289, 0.3364, 0.2735**, and **6.5341, 0.3552, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **16.0036, 0.3532, 0.2426**, and if you desaturate by 10%, it is **22.5781, 0.3336, 0.2768**.

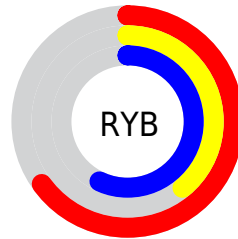
Distribution



Red (65%)

Green (39%)

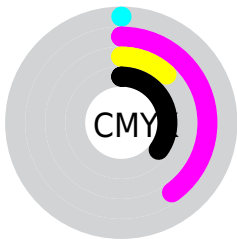
Blue (57%)



Red (65%)

Yellow (39%)

Blue (57%)

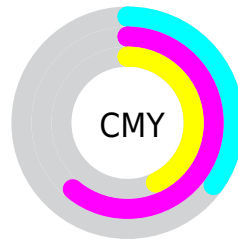


Cyan (0%)

Magenta (40%)

Yellow (12%)

Black (35%)



Cyan (35%)


Magenta (61%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9673, 0.3428, 0.2592 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 18.9673, 0.3428, 0.2592 by changing the saturation by 10% instead.


 18.9673, 0.3428,
0.2592


 18.9673, 0.3428,
0.2592


246.2682, 0.3265,
0.2972


 11.6467, 0.3473,
0.2486


 41.6788, 0.3366,
0.2738

 6.5036, 0.3534,
0.2343


 57.8385, 0.3343,
0.2790

 3.1536, 0.3619,
0.2140

 77.7133, 0.3325,
0.2833

 1.2125, 0.3748,
0.1832

 101.6877, 0.3309,
0.2870

 0.0718, 0.4397,
0.0357

130.1459, 0.3296,
0.2901

 0.0000, 0.0000,
0.0000

163.4725, 0.3284,

0.2928

202.0518, 0.3274,
0.2951

■ 18.9673, 0.3428,
0.2592

■ 18.9673, 0.3428,
0.2592

■ 16.0036, 0.3532,
0.2426

■ 22.5781, 0.3336,
0.2768

■ 13.6451, 0.3646,
0.2279

■ 26.8693, 0.3255,
0.2947

■ 11.8493, 0.3768,
0.2161


■ 31.8750, 0.3186,
0.3122


■ 10.5666, 0.3895,
0.2083


■ 37.6262, 0.3127,
0.3290

■ 9.7392, 0.4022,
0.2051


■ 44.1523, 0.3077,
0.3449


 9.2352, 0.4147,
0.2058

 51.4808, 0.3035,
0.3597

 9.2341, 0.4147,
0.2058

 59.6381, 0.3000,
0.3734

 68.6492, 0.2971,
0.3860

 78.5381, 0.2947,
0.3976

Harmonies

Analogous

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



18.9673, 0.2748, 0.2317



18.9673, 0.3428, 0.2592



18.9673, 0.4082, 0.3016

Triad

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



18.9673, 0.3428, 0.2592



18.9673, 0.4008, 0.4427



18.9673, 0.1959, 0.2830

Complementary

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



18.9673, 0.3428, 0.2592



30.8859, 0.2921, 0.4114

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.



18.9673, 0.2224, 0.3493



18.9673, 0.3428, 0.2592



18.9673, 0.3392, 0.4532

Square

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



18.9673, 0.3428, 0.2592



18.9673, 0.4412, 0.4026



18.9673, 0.2739, 0.4177



18.9673, 0.1967, 0.2403

Rectangle

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



18.9673, 0.3428, 0.2592



18.9673, 0.4374, 0.3347



18.9673, 0.2739, 0.4177



18.9673, 0.2017, 0.3031

Sweetspot

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



18.9682, 0.3428, 0.2592



54.9813, 0.3201, 0.3083



15.5516, 0.2617, 0.2161



11.7751, 0.3209, 0.3062



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.9682, 0.3428, 0.2592



29.2003, 0.3520, 0.2443



18.0986, 0.3904, 0.3084



7.1655, 0.3181, 0.3135



6.9974, 0.4136, 0.2052



0.1548, 0.3732, 0.1830

Inverse Universe

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



18.9682, 0.3428, 0.2592



29.2003, 0.3520, 0.2443



31.8139, 0.2678, 0.3514



7.1655, 0.3181, 0.3135



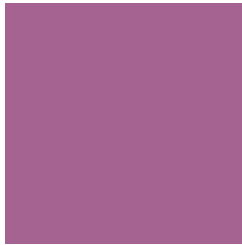
6.9974, 0.4136, 0.2052



0.1548, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 18.9673, 0.3428, 0.2592 looks on a white background.

Color Contrast Check

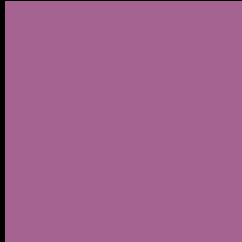
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9673, 0.3428, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

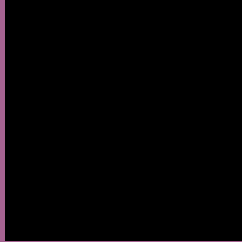
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9673, 0.3428, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 18.9673, 0.3428, 0.2592.



This preview shows how white text looks on a background with the Yxy color 18.9673, 0.3428, 0.2592.

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

18.9673, 0.3428, 0.2592

Protanopia

19.2860, 0.2608, 0.2581

Deuteranopia

19.1208, 0.2919, 0.2858



Tritanopia

18.8725, 0.3809, 0.3163

Trichromacy



Original Color

18.9673, 0.3428, 0.2592

Protanomaly

18.7007, 0.2860, 0.2557

Deuteranomaly

18.7553, 0.3089, 0.2743

Tritanomaly

18.8625, 0.3657, 0.2942

Monochromacy



Original Color

18.9673, 0.3428, 0.2592

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4164, 0.3230, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9673, 0.3428, 0.2592 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(165, 99, 145)` looks like.

```
.text, #text, p{  
    color:rgb(165, 99, 145)  
}
```

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(165, 99, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 99, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.9673, 0.3428, 0.2592 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(165, 99, 145) }
```

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

```
.border{ border-color:rgb(165, 99, 145) }
```

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

Here you see how a box with a 4 pixel rgb(165, 99, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 99, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 99, 145);  
box-shadow:4px 4px 4px 4px rgb(165, 99,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9673, 0.3428, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 99, 145) }
```

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

```
.background{ background-color: rgb(165, 99,  
145) }
```

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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