

Converting Colors

$Y_{xy}(19.0019, 0.3712, 0.2841)$

Have a look what the booklet for
Yxy(19.0019, 0.3712, 0.2841)
contains.

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Color

Yxy(18.9437, 0.3708, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	A96381
RGB	169, 99, 129
RGB Percent	66%, 39%, 51%
CMY	0.3373, 0.6117, 0.4942
CMYK	0.00, 0.41, 0.24, 0.34
HSL	334°, 29%, 53%
HSV	334°, 41%, 66%
XYZ	24.7859, 18.9437, 23.1148
YIQ	123.3500, 32.0900, 24.1700

Conversions

Conversions Part 2

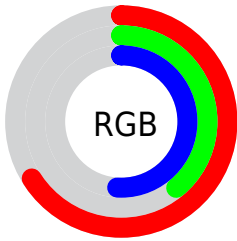
Format	Color
R_{YB}	169, 99, 129
Decimal	11101057
CIE _{Lab}	50.62, 32.28, -4.44
CIE _{LCh}	51, 32.586, 352.160
Yxy	18.9437, 0.3708, 0.2834
Android (android.graphics.Color)	4289291137 (0xFFA96381)
YUV	123.3500, 2.7854, 40.0350
Hunter-Lab	43.5244, 25.4831, -1.0205

Details

The Yxy color **18.9437, 0.3708, 0.2834** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.8938, 0.2777, 0.3807**, and the grayscale version is **19.9121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6794, 0.3578, 0.2932**, and **6.5052, 0.3942, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **15.8255, 0.3922, 0.2730**, and if you desaturate by 10%, it is **22.7581, 0.3526, 0.2946**.

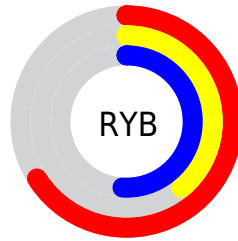
Distribution



Red (66%)

Green (39%)

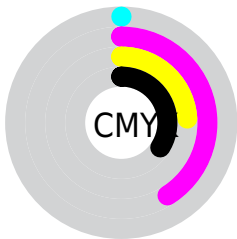
Blue (51%)



Red (66%)

Yellow (39%)

Blue (51%)

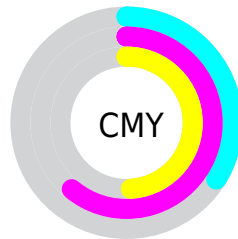


Cyan (0%)

Magenta (41%)

Yellow (24%)

Black (34%)



Cyan (34%)

Magenta (61%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9437, 0.3708, 0.2834 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 18.9437, 0.3708, 0.2834 by changing the saturation by 10% instead.


 18.9437, 0.3708,
0.2834


 18.9437, 0.3708,
0.2834


246.1378, 0.3378,
0.3089


 11.6296, 0.3807,
0.2759


 41.6389, 0.3577,
0.2934


 6.4920, 0.3946,
0.2656


 57.7889, 0.3531,
0.2970

 3.1465, 0.4156,
0.2502

 77.6529, 0.3494,
0.2999

 1.2087, 0.4507,
0.2254

 101.6154, 0.3463,
0.3023

 0.0688, 0.6526,
0.0526

130.0607, 0.3437,
0.3043

 0.0000, 0.0000,
0.0000

163.3733, 0.3414,

0.3061

201.9375, 0.3395,
0.3076

■ 18.9437, 0.3708,
0.2834

■ 18.9437, 0.3708,
0.2834

■ 15.8255, 0.3922,
0.2730

■ 22.7581, 0.3526,
0.2946

■ 13.3579, 0.4167,
0.2643

■ 27.3051, 0.3373,
0.3060

■ 11.4943, 0.4438,
0.2585


■ 32.6218, 0.3245,
0.3171


■ 10.1805, 0.4724,
0.2569

■ 38.7420, 0.3140,
0.3276

■ 9.3523, 0.5009,
0.2603

■ 45.6974, 0.3054,
0.3374

 8.9081, 0.5246,
0.2663

 53.5181, 0.2983,
0.3464

 62.2326, 0.2924,
0.3548

 71.8681, 0.2875,
0.3624

 82.4507, 0.2835,
0.3693

Harmonies

Analogous

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



18.9437, 0.3080, 0.2505



18.9437, 0.3708, 0.2834



18.9437, 0.4195, 0.3270

Triad

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



18.9437, 0.3708, 0.2834



18.9437, 0.3672, 0.4405



18.9437, 0.2035, 0.2658

Complementary

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



18.9437, 0.3708, 0.2834



32.8938, 0.2777, 0.3807

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.



18.9437, 0.2157, 0.3166



18.9437, 0.3708, 0.2834



18.9437, 0.3077, 0.4291

Square

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



18.9437, 0.3708, 0.2834



18.9437, 0.4147, 0.4167



18.9437, 0.2525, 0.3800



18.9437, 0.2162, 0.2383

Rectangle

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



18.9437, 0.3708, 0.2834



18.9437, 0.4343, 0.3586



18.9437, 0.2525, 0.3800



18.9437, 0.2047, 0.2803

Sweetspot

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



18.9446, 0.3708, 0.2834



57.6115, 0.3255, 0.3162



17.2500, 0.2806, 0.2179



12.2884, 0.3269, 0.3149



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.9446, 0.3708, 0.2834



28.6044, 0.3910, 0.2735



19.1709, 0.4131, 0.3365



7.5937, 0.3221, 0.3194



6.6494, 0.5220, 0.2649



0.1721, 0.4403, 0.2199

Inverse Universe

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



18.9446, 0.3708, 0.2834



28.6044, 0.3910, 0.2735



32.1884, 0.2558, 0.3211



7.5937, 0.3221, 0.3194



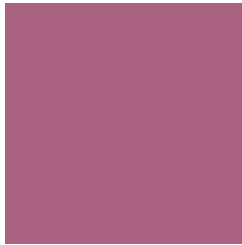
6.6494, 0.5220, 0.2649



0.1721, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 18.9437, 0.3708, 0.2834 looks on a white background.

Color Contrast Check

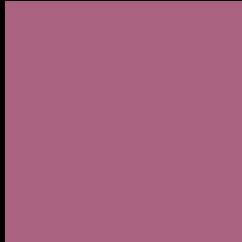
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9437, 0.3708, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

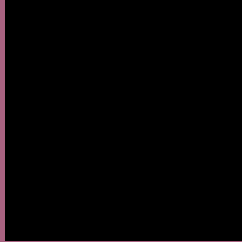
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9437, 0.3708, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 18.9437, 0.3708, 0.2834.



This preview shows how white text looks on a background with the Yxy color 18.9437, 0.3708, 0.2834.

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

18.9437, 0.3708, 0.2834

Protanopia

19.1678, 0.2852, 0.2887

Deuteranopia

18.9748, 0.3186, 0.3127



Tritanopia

18.8440, 0.3950, 0.3167

Trichromacy



Original Color

18.9437, 0.3708, 0.2834

Protanomaly

18.6287, 0.3135, 0.2854

Deuteranomaly

18.6135, 0.3367, 0.2998

Tritanomaly

18.9165, 0.3864, 0.3044

Monochromacy



Original Color

18.9437, 0.3708, 0.2834

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0907, 0.3332, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9437, 0.3708, 0.2834 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(169, 99, 129)` looks like.

```
.text, #text, p{  
    color:rgb(169, 99, 129)  
}
```

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(169, 99, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 99, 129) }
```

Border

The CSS property to change the border of an element to Yxy 18.9437, 0.3708, 0.2834 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(169, 99, 129) }
```

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

```
.border{ border-color:rgb(169, 99, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 99, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 99, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 99, 129); box-shadow:4px 4px 4px 4px rgb(169, 99, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9437, 0.3708, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 99, 129) }
```

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

```
.background{ background-color: rgb(169, 99,  
129) }
```

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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