

Converting Colors

$Y_{xy}(19.0630, 0.3493, 0.2587)$

Have a look what the booklet for
Yxy(19.0630, 0.3493, 0.2587)
contains.

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Color

Yxy(18.9980, 0.3499, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	A96190
RGB	169, 97, 144
RGB Percent	66%, 38%, 56%
CMY	0.3372, 0.6197, 0.4352
CMYK	0.00, 0.43, 0.15, 0.34
HSL	321°, 30%, 52%
HSV	321°, 43%, 66%
XYZ	25.6756, 18.9980, 28.7061
YIQ	123.8860, 27.8250, 29.8810

Conversions

Conversions Part 2

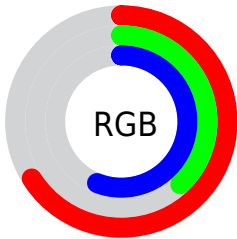
Format	Color
RYB	169, 97, 144
Decimal	11100560
CIELab	50.68, 35.78, -13.27
CIElCh	51, 38.165, 339.654
Yxy	18.9980, 0.3499, 0.2589
Android (android.graphics.Color)	4289290640 (0xFFA96190)
YUV	123.8860, 9.9162, 39.5650
Hunter-Lab	43.5867, 28.8720, -8.5376

Details

The Yxy color **18.9980, 0.3499, 0.2589** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.3303, 0.2886, 0.4123**, and the grayscale version is **20.0757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7409, 0.3424, 0.2732**, and **6.4860, 0.3622, 0.2325** is the 20% darker color. If you saturate the color by 10%, you get **16.0268, 0.3623, 0.2435**, and if you desaturate by 10%, it is **22.6458, 0.3389, 0.2754**.

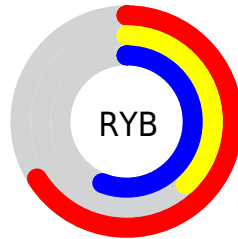
Distribution



Red (66%)

Green (38%)

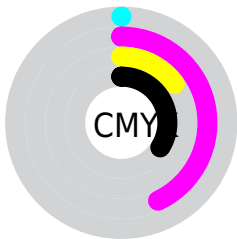
Blue (56%)



Red (66%)

Yellow (38%)

Blue (56%)

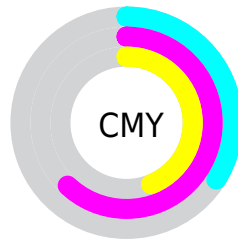


Cyan (0%)

Magenta (43%)

Yellow (15%)

Black (34%)



Cyan (34%)

Magenta (62%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9980, 0.3499, 0.2589 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 18.9980, 0.3499, 0.2589 by changing the saturation by 10% instead.


 18.9980, 0.3499,
0.2589


 18.9980, 0.3499,
0.2589


246.4377, 0.3296,
0.2970


 11.6688, 0.3556,
0.2483


 41.7307, 0.3421,
0.2735


 6.5186, 0.3634,
0.2340


 57.9031, 0.3393,
0.2788

 3.1629, 0.3745,
0.2136

 77.7919, 0.3369,
0.2831

 1.2174, 0.3916,
0.1828

 101.7817, 0.3350,
0.2868

 0.0758, 0.4664,
0.0372

130.2568, 0.3333,
0.2899

 0.0000, 0.0000,
0.0000

163.6015, 0.3319,

0.2926

202.2004, 0.3307,
0.2949

■ 18.9980, 0.3499,
0.2589

■ 18.9980, 0.3499,
0.2589

■ 16.0268, 0.3623,
0.2435

■ 22.6458, 0.3389,
0.2754

■ 13.6866, 0.3759,
0.2303

■ 27.0064, 0.3294,
0.2923

■ 11.9307, 0.3906,
0.2203


■ 32.1169, 0.3213,
0.3089


■ 10.7044, 0.4057,
0.2146

■ 38.0108, 0.3143,
0.3249

■ 9.9427, 0.4208,
0.2137

■ 44.7197, 0.3085,
0.3401

 9.5710, 0.4319,
0.2153

 52.2733, 0.3036,
0.3542

 60.7000, 0.2996,
0.3673

 70.0267, 0.2962,
0.3793

 80.2793, 0.2934,
0.3904

Harmonies

Analogous

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



18.9980, 0.2777, 0.2289



18.9980, 0.3499, 0.2589



18.9980, 0.4176, 0.3038

Triad

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



18.9980, 0.3499, 0.2589



18.9980, 0.4002, 0.4505



18.9980, 0.1897, 0.2758

Complementary

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



18.9980, 0.3499, 0.2589



32.3303, 0.2886, 0.4123

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.



18.9980, 0.2148, 0.3442



18.9980, 0.3499, 0.2589



18.9980, 0.3346, 0.4591

Square

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



18.9980, 0.3499, 0.2589



18.9980, 0.4453, 0.4092



18.9980, 0.2667, 0.4181



18.9980, 0.1927, 0.2337

Rectangle

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



18.9980, 0.3499, 0.2589



18.9980, 0.4464, 0.3385



18.9980, 0.2667, 0.4181



18.9980, 0.1949, 0.2962

Sweetspot

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



18.9989, 0.3499, 0.2589



56.9006, 0.3217, 0.3079



15.4775, 0.2600, 0.2083



11.9558, 0.3234, 0.3044



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.



18.9989, 0.3499, 0.2589



29.0323, 0.3614, 0.2446



18.0887, 0.4020, 0.3107



7.6217, 0.3188, 0.3144



7.1415, 0.4304, 0.2145



0.1828, 0.3862, 0.1901

Inverse Universe

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



18.9989, 0.3499, 0.2589



29.0323, 0.3614, 0.2446



33.3602, 0.2637, 0.3490



7.6217, 0.3188, 0.3144



7.1415, 0.4304, 0.2145



0.1828, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 18.9980, 0.3499, 0.2589 looks on a white background.

Color Contrast Check

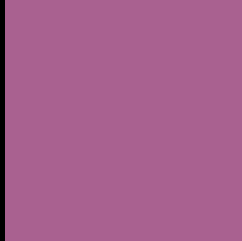
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9980, 0.3499, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

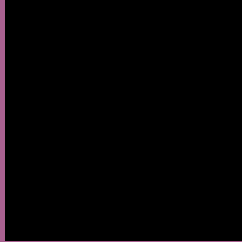
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9980, 0.3499, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 18.9980, 0.3499, 0.2589.



This preview shows how white text looks on a background with the Yxy color 18.9980, 0.3499, 0.2589.

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

18.9980, 0.3499, 0.2589

Protanopia

19.2860, 0.2608, 0.2581

Deuteranopia

19.1354, 0.2952, 0.2893



Tritanopia

19.0477, 0.3898, 0.3182

Trichromacy



Original Color

18.9980, 0.3499, 0.2589

Protanomaly

18.7467, 0.2882, 0.2574

Deuteranomaly

18.6504, 0.3139, 0.2762

Tritanomaly

18.8444, 0.3748, 0.2948

Monochromacy



Original Color

18.9980, 0.3499, 0.2589

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.2488, 0.3257, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9980, 0.3499, 0.2589 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, 97, 144)` looks like.

```
.text, #text, p{  
    color:rgb(169, 97, 144)  
}
```

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, 97, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 97, 144) }
```

Border

The CSS property to change the border of an element to Yxy 18.9980, 0.3499, 0.2589 is called "border". The border property can be set on classes, ids or directly on the HTML element.

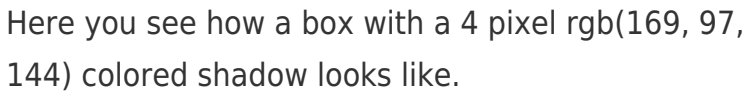
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 97, 144) }
```

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

```
.border{ border-color:rgb(169, 97, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 97, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 97, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 97, 144); box-shadow:4px 4px 4px 4px rgb(169, 97, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9980, 0.3499, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 97, 144) }
```

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

```
.background{ background-color: rgb(169, 97,  
144) }
```

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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