

Converting Colors

$Y_{xy}(18.7785, 0.3417, 0.3000)$

Have a look what the booklet for
Yxy(18.7785, 0.3417, 0.3000)
contains.

Yxy(18.6726, 0.3410, 0.2985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.6726, 0.3410, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	936D7F
RGB	147, 109, 127
RGB Percent	58%, 43%, 50%
CMY	0.4235, 0.5725, 0.5020
CMYK	0.00, 0.26, 0.14, 0.42
HSL	332°, 15%, 50%
HSV	332°, 26%, 58%
XYZ	21.3312, 18.6726, 22.5510
YIQ	122.4140, 16.8700, 13.6540

Conversions

Conversions Part 2

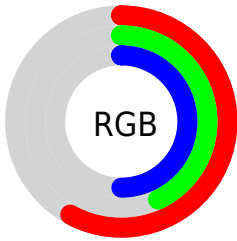
Format	Color
R_{YB}	147, 109, 127
Decimal	9661823
CIE _{Lab}	50.30, 18.07, -4.02
CIE _{LCh}	50, 18.509, 347.464
Yxy	18.6726, 0.3410, 0.2985
Android (android.graphics.Color)	4287851903 (0xFF936D7F)
YUV	122.4140, 2.2609, 21.5619
Hunter-Lab	43.2118, 12.4945, -0.6935

Details

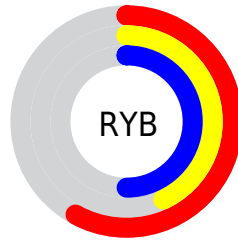
The Yxy color **18.6726, 0.3410, 0.2985** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.7057, 0.2914, 0.3617**, and the grayscale version is **19.5931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2025, 0.3338, 0.3051**, and **6.3743, 0.3534, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **15.6005, 0.3559, 0.2861**, and if you desaturate by 10%, it is **22.2864, 0.3284, 0.3107**.

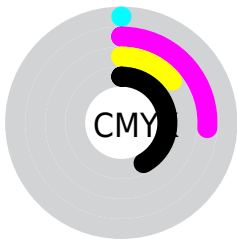
Distribution



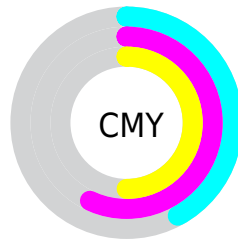
- Red (58%)
- Green (43%)
- Blue (50%)



- Red (58%)
- Yellow (43%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (14%)
- Black (42%)



- Cyan (42%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6726, 0.3410, 0.2985 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 18.6726, 0.3410, 0.2985 by changing the saturation by 10% instead.


 18.6726, 0.3410,
0.2985


 18.6726, 0.3410,
0.2985


244.6353, 0.3249,
0.3157


 11.4339, 0.3459,
0.2934


 41.1801, 0.3346,
0.3053


 6.3595, 0.3528,
0.2862


 57.2178, 0.3323,
0.3077

 3.0649, 0.3633,
0.2754

 76.9573, 0.3305,
0.3097

 1.1657, 0.3812,
0.2573

 100.7829, 0.3290,
0.3113

 0.0334, 0.5742,
0.0406

129.0792, 0.3277,
0.3126

 0.0000, 0.0000,
0.0000

162.2304, 0.3267,

0.3138

200.6210, 0.3257,
0.3148

■ 18.6726, 0.3410,
0.2985

■ 18.6726, 0.3410,
0.2985

■ 15.6005, 0.3559,
0.2861

■ 22.2864, 0.3284,
0.3107

■ 13.0413, 0.3735,
0.2741

■ 26.4641, 0.3180,
0.3224

■ 10.9671, 0.3938,
0.2633


■ 31.2296, 0.3093,
0.3335


■ 9.3464, 0.4167,
0.2547


■ 36.6046, 0.3021,
0.3438

■ 8.1439, 0.4415,
0.2493


■ 42.6098, 0.2962,
0.3533

 7.3190, 0.4673,
0.2485


 49.2648, 0.2912,
0.3620

 6.8135, 0.4927,
0.2525

 56.5886, 0.2871,
0.3700

 6.6397, 0.5034,
0.2547

 64.5992, 0.2837,
0.3773

 73.3138, 0.2809,
0.3840

Harmonies

Analogous

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



18.6726, 0.3053, 0.2793



18.6726, 0.3410, 0.2985



18.6726, 0.3699, 0.3252

Triad

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



18.6726, 0.3410, 0.2985



18.6726, 0.3508, 0.3915



18.6726, 0.2475, 0.2978

Complementary

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



18.6726, 0.3410, 0.2985



25.7057, 0.2914, 0.3617

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.



18.6726, 0.2582, 0.3289



18.6726, 0.3410, 0.2985



18.6726, 0.3169, 0.3861

Square

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



18.6726, 0.3410, 0.2985



18.6726, 0.3753, 0.3786



18.6726, 0.2832, 0.3624



18.6726, 0.2529, 0.2776

Rectangle

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



18.6726, 0.3410, 0.2985



18.6726, 0.3806, 0.3445



18.6726, 0.2832, 0.3624



18.6726, 0.2493, 0.3073

Sweetspot

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



18.6734, 0.3410, 0.2985



45.5666, 0.3202, 0.3198



17.6838, 0.2928, 0.2624



10.1554, 0.3217, 0.3182



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.



18.6734, 0.3410, 0.2985



30.1394, 0.3493, 0.2913



18.3816, 0.3653, 0.3303



5.8583, 0.3213, 0.3186



5.7609, 0.5021, 0.2540



0.0764, 0.4102, 0.2034

Inverse Universe

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



18.6734, 0.3410, 0.2985



30.1394, 0.3493, 0.2913



26.0302, 0.2759, 0.3278



5.8583, 0.3213, 0.3186



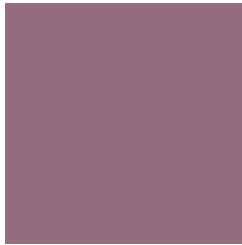
5.7609, 0.5021, 0.2540



0.0764, 0.4102, 0.2034

Previews

White Background



This preview shows how the Yxy color 18.6726, 0.3410, 0.2985 looks on a white background.

Color Contrast Check

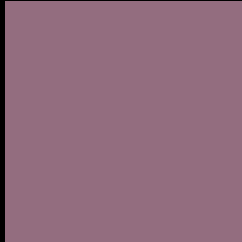
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6726, 0.3410, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

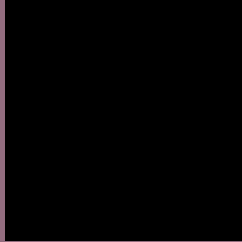
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6726, 0.3410, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 18.6726, 0.3410, 0.2985.



This preview shows how white text looks on a background with the Yxy color 18.6726, 0.3410, 0.2985.

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

18.6726, 0.3410, 0.2985

Protanopia

18.7387, 0.2957, 0.3028

Deuteranopia

18.6643, 0.3174, 0.3107



Tritanopia

18.5948, 0.3501, 0.3136

Trichromacy



Original Color

18.6726, 0.3410, 0.2985

Protanomaly

18.5673, 0.3115, 0.3000

Deuteranomaly

18.5509, 0.3269, 0.3059

Tritanomaly

18.6680, 0.3460, 0.3084

Monochromacy



Original Color

18.6726, 0.3410, 0.2985

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0031, 0.3222, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6726, 0.3410, 0.2985 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(147, 109, 127)` looks like.

```
.text, #text, p{  
    color:rgb(147, 109, 127)  
}
```

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(147, 109, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 109, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.6726, 0.3410, 0.2985 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(147, 109, 127) }
```

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

```
.border{ border-color:rgb(147, 109, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 109, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 109, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 109, 127);  
box-shadow:4px 4px 4px 4px rgb(147, 109,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6726, 0.3410, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 109, 127) }
```

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

```
.background{ background-color: rgb(147,  
109, 127) }
```

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