

Converting Colors

$Y_{xy}(18.9943, 0.3175, 0.2675)$

Have a look what the booklet for
Yxy(18.9943, 0.3175, 0.2675)
contains.

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Color

Yxy(18.9725, 0.3181, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	936C91
RGB	147, 108, 145
RGB Percent	58%, 42%, 57%
CMY	0.4236, 0.5764, 0.4314
CMYK	0.00, 0.27, 0.01, 0.42
HSL	303°, 15%, 50%
HSV	303°, 27%, 58%
XYZ	22.5024, 18.9725, 29.2652
YIQ	123.8790, 11.3670, 19.7750

Conversions

Conversions Part 2

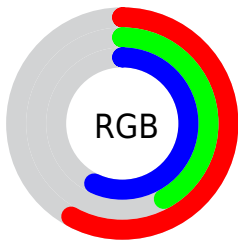
Format	Color
R _Y B	147, 108, 145
Decimal	9661585
CIE Lab	50.66, 22.01, -14.15
CIE LCh	51, 26.164, 327.265
Yxy	18.9725, 0.3181, 0.2682
Android (android.graphics.Color)	4287851665 (0xFF936C91)
YUV	123.8790, 10.4127, 20.2771
Hunter-Lab	43.5574, 15.9903, -9.3453

Details

The Yxy color $18.9725, 0.3181, 0.2682$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $25.1735, 0.3075, 0.3984$, and the grayscale version is $20.0756, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.6826, 0.3168, 0.2812$, and $6.5267, 0.3206, 0.2473$ is the 20% darker color. If you saturate the color by 10%, you get $16.1068, 0.3204, 0.2454$, and if you desaturate by 10%, it is $22.3627, 0.3159, 0.2914$.

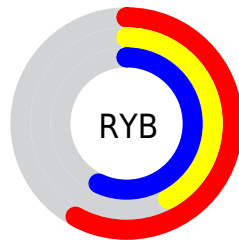
Distribution



Red (58%)

Green (42%)

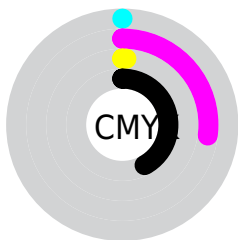
Blue (57%)



Red (58%)

Yellow (42%)

Blue (57%)

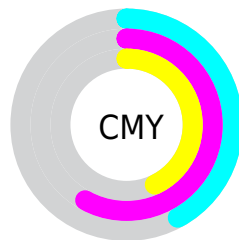


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (42%)



Cyan (42%)


Magenta (58%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9725, 0.3181, 0.2682 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 18.9725, 0.3181, 0.2682 by changing the saturation by 10% instead.


 18.9725, 0.3181,
0.2682


 18.9725, 0.3181,
0.2682


246.2969, 0.3156,
0.3016

 11.6504, 0.3186,
0.2587


 41.6876, 0.3173,
0.2811


 6.5061, 0.3190,
0.2458


 57.8495, 0.3170,
0.2858

 3.1552, 0.3193,
0.2272

 77.7266, 0.3167,
0.2896

 1.2133, 0.3188,
0.1983

 101.7036, 0.3164,
0.2927

 0.0725, 0.3463,
0.0414

130.1647, 0.3162,
0.2955

 0.0000, 0.0000,
0.0000

163.4944, 0.3160,

0.2978

202.0770, 0.3158,
0.2998

■ 18.9725, 0.3181,
0.2682

■ 18.9725, 0.3181,
0.2682

■ 16.1068, 0.3204,
0.2454

■ 22.3627, 0.3159,
0.2914

■ 13.7368, 0.3227,
0.2240

■ 26.2992, 0.3139,
0.3144

■ 11.8350, 0.3251,
0.2047

■ 30.8057, 0.3121,
0.3367

■ 10.3701, 0.3274,
0.1884

■ 35.9037, 0.3104,
0.3578

■ 9.3067, 0.3295,
0.1758

■ 41.6136, 0.3090,
0.3775

■ 8.6045, 0.3314,
0.1673

■ 47.9549, 0.3077,
0.3958

■ 8.1996, 0.3332,
0.1626

■ 54.9462, 0.3065,
0.4126

■ 8.0805, 0.3337,
0.1612

■ 62.6051, 0.3055,
0.4280

■ 70.9490, 0.3047,
0.4419

Harmonies

Analogous

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



18.9725, 0.2708, 0.2521



18.9725, 0.3181, 0.2682



18.9725, 0.3674, 0.2977

Triad

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



18.9725, 0.3181, 0.2682



18.9725, 0.3906, 0.4057



18.9725, 0.2303, 0.3121

Complementary

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



18.9725, 0.3181, 0.2682



25.1735, 0.3075, 0.3984

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.



18.9725, 0.2580, 0.3613



18.9725, 0.3181, 0.2682



18.9725, 0.3501, 0.4186

Square

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



18.9725, 0.3181, 0.2682



18.9725, 0.4107, 0.3741



18.9725, 0.3014, 0.4028



18.9725, 0.2233, 0.2733

Rectangle

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



18.9725, 0.3181, 0.2682



18.9725, 0.3933, 0.3222



18.9725, 0.3014, 0.4028



18.9725, 0.2373, 0.3281

Sweetspot

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



18.9733, 0.3181, 0.2682



45.8785, 0.3143, 0.3106



16.1467, 0.2707, 0.2563



10.2384, 0.3145, 0.3074



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.



18.9733, 0.3181, 0.2682



30.7250, 0.3195, 0.2541



18.4236, 0.3431, 0.2992



5.9042, 0.3145, 0.3083



7.0093, 0.3337, 0.1612



0.0870, 0.3267, 0.1574

Inverse Universe

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



18.9733, 0.3181, 0.2682



30.7250, 0.3195, 0.2541



25.6448, 0.2901, 0.3610



5.9042, 0.3145, 0.3083



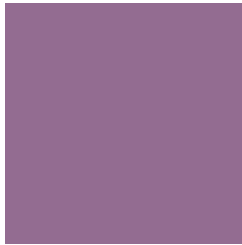
7.0093, 0.3337, 0.1612



0.0870, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 18.9725, 0.3181, 0.2682 looks on a white background.

Color Contrast Check

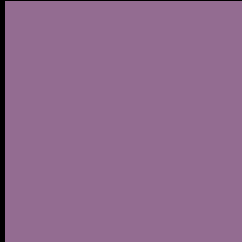
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9725, 0.3181, 0.2682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

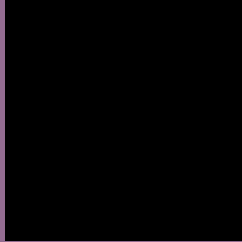
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9725, 0.3181, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 18.9725, 0.3181, 0.2682.



This preview shows how white text looks on a background with the Yxy color 18.9725, 0.3181, 0.2682.

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

18.9725, 0.3181, 0.2682

Protanopia

19.1776, 0.2691, 0.2695

Deuteranopia

19.0776, 0.2897, 0.2840



Tritanopia

18.8981, 0.3441, 0.3135

Trichromacy



Original Color

18.9725, 0.3181, 0.2682

Protanomaly

19.0528, 0.2857, 0.2694

Deuteranomaly

18.8735, 0.2991, 0.2766

Tritanomaly

19.0003, 0.3340, 0.2966

Monochromacy



Original Color

18.9725, 0.3181, 0.2682

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.5283, 0.3139, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9725, 0.3181, 0.2682 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, 108, 145)` looks like.

```
.text, #text, p{  
    color:rgb(147, 108, 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(147, 108, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 108, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.9725, 0.3181, 0.2682 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, 108, 145) }
```

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

```
.border{ border-color:rgb(147, 108, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 108, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 108, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 108, 145);  
box-shadow:4px 4px 4px 4px rgb(147, 108,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9725, 0.3181, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 108, 145) }
```

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

```
.background{ background-color: rgb(147,  
108, 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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