

Converting Colors

$Y_{xy}(18.8415, 0.3177, 0.2689)$

Have a look what the booklet for
Yxy(18.8415, 0.3177, 0.2689)
contains.

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Color

Yxy(18.8497, 0.3181, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	926C90
RGB	146, 108, 144
RGB Percent	57%, 42%, 56%
CMY	0.4275, 0.5764, 0.4354
CMYK	0.00, 0.26, 0.01, 0.43
HSL	303°, 15%, 50%
HSV	303°, 26%, 57%
XYZ	22.2489, 18.8497, 28.8446
YIQ	123.4660, 11.0920, 19.2520

Conversions

Conversions Part 2

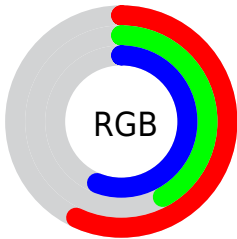
Format	Color
R_{YB}	146, 108, 144
Decimal	9596048
CIE _{Lab}	50.51, 21.46, -13.78
CIE _{LCh}	51, 25.504, 327.308
Yxy	18.8497, 0.3181, 0.2695
Android (android.graphics.Color)	4287786128 (0xFF926C90)
YUV	123.4660, 10.1233, 19.7623
Hunter-Lab	43.4162, 15.4951, -8.9993

Details

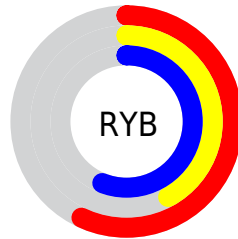
The Yxy color $18.8497, 0.3181, 0.2695$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $24.8713, 0.3075, 0.3967$, and the grayscale version is $19.9326, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4982, 0.3168, 0.2822$, and $6.4728, 0.3186, 0.2468$ is the 20% darker color. If you saturate the color by 10%, you get $16.0008, 0.3204, 0.2468$, and if you desaturate by 10%, it is $22.2162, 0.3159, 0.2927$.

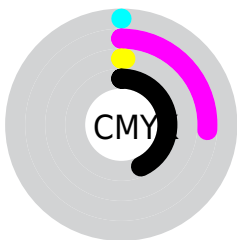
Distribution



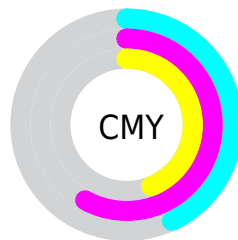
- Red (57%)
- Green (42%)
- Blue (56%)



- Red (57%)
- Yellow (42%)
- Blue (56%)



- Cyan (0%)
- Magenta (26%)
- Yellow (1%)
- Black (43%)





- Cyan (43%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8497, 0.3181, 0.2695 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 18.8497, 0.3181, 0.2695 by changing the saturation by 10% instead.


 18.8497, 0.3181,
0.2695


 18.8497, 0.3181,
0.2695


245.6178, 0.3156,
0.3023


 11.5617, 0.3186,
0.2602


 41.4800, 0.3173,
0.2822

 6.4460, 0.3191,
0.2474


 57.5911, 0.3169,
0.2867

 3.1181, 0.3195,
0.2290

 77.4120, 0.3166,
0.2905

 1.1937, 0.3191,
0.2003

 101.3271, 0.3164,
0.2936

 0.0566, 0.3480,
0.0341

129.7209, 0.3161,
0.2962

 0.0000, 0.0000,
0.0000

162.9776, 0.3159,

0.2985

201.4818, 0.3158,
0.3005

■ 18.8497, 0.3181,
0.2695

■ 18.8497, 0.3181,
0.2695

■ 16.0008, 0.3204,
0.2468

■ 22.2162, 0.3159,
0.2927

■ 13.6412, 0.3228,
0.2253

■ 26.1216, 0.3139,
0.3156

■ 11.7440, 0.3253,
0.2059

■ 30.5891, 0.3120,
0.3377

■ 10.2784, 0.3276,
0.1894

■ 35.6400, 0.3103,
0.3587

■ 9.2102, 0.3299,
0.1767

■ 41.2941, 0.3088,
0.3783

■ 8.4997, 0.3319,
0.1679

■ 47.5706, 0.3075,
0.3965

■ 8.0883, 0.3337,
0.1631

■ 54.4877, 0.3064,
0.4132

■ 7.9532, 0.3344,
0.1616

■ 62.0629, 0.3054,
0.4284

■ 70.3130, 0.3045,
0.4422

Harmonies

Analogous

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



18.8497, 0.2719, 0.2537



18.8497, 0.3181, 0.2695



18.8497, 0.3662, 0.2985

Triad

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



18.8497, 0.3181, 0.2695



18.8497, 0.3889, 0.4041



18.8497, 0.2320, 0.3125

Complementary

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



18.8497, 0.3181, 0.2695



24.8713, 0.3075, 0.3967

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.



18.8497, 0.2592, 0.3605



18.8497, 0.3181, 0.2695



18.8497, 0.3493, 0.4164

Square

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



18.8497, 0.3181, 0.2695



18.8497, 0.4084, 0.3733



18.8497, 0.3017, 0.4009



18.8497, 0.2251, 0.2746

Rectangle

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



18.8497, 0.3181, 0.2695



18.8497, 0.3915, 0.3225



18.8497, 0.3017, 0.4009



18.8497, 0.2389, 0.3281

Sweetspot

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



18.8505, 0.3181, 0.2695



44.5264, 0.3143, 0.3107



16.1110, 0.2716, 0.2578



9.6873, 0.3146, 0.3076



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.8505, 0.3181, 0.2695



30.3281, 0.3194, 0.2567



18.3207, 0.3424, 0.2998



5.9039, 0.3145, 0.3083



7.0004, 0.3343, 0.1615



0.0870, 0.3270, 0.1575

Inverse Universe

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



18.8505, 0.3181, 0.2695



30.3281, 0.3194, 0.2567



25.3275, 0.2905, 0.3603



5.9039, 0.3145, 0.3083



7.0004, 0.3343, 0.1615



0.0870, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 18.8497, 0.3181, 0.2695 looks on a white background.

Color Contrast Check

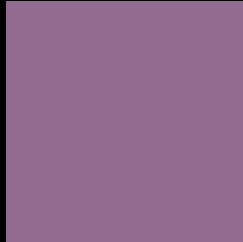
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8497, 0.3181, 0.2695 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 18.8497, 0.3181, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 18.8497, 0.3181, 0.2695.



This preview shows how white text looks on a background with the Yxy color 18.8497, 0.3181, 0.2695.

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

18.8497, 0.3181, 0.2695

Protanopia

18.9054, 0.2699, 0.2693

Deuteranopia

19.0474, 0.2907, 0.2857



Tritanopia

18.8085, 0.3428, 0.3134

Trichromacy



Original Color

18.8497, 0.3181, 0.2695

Protanomaly

18.7165, 0.2855, 0.2690

Deuteranomaly

18.8431, 0.3002, 0.2782

Tritanomaly

18.8832, 0.3339, 0.2982

Monochromacy



Original Color

18.8497, 0.3181, 0.2695

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4209, 0.3138, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8497, 0.3181, 0.2695 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(146, 108, 144)` looks like.

```
.text, #text, p{  
    color:rgb(146, 108, 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(146, 108, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 108, 144) }
```

Border

The CSS property to change the border of an element to Yxy 18.8497, 0.3181, 0.2695 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(146, 108, 144) }
```

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

```
.border{ border-color:rgb(146, 108, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 108, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 108, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 108, 144);  
box-shadow:4px 4px 4px 4px rgb(146, 108,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8497, 0.3181, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 108, 144) }
```

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

```
.background{ background-color: rgb(146,  
108, 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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