

Converting Colors

$Y_{xy}(11.9307, 0.3186, 0.2781)$

Have a look what the booklet for
Yxy(11.9307, 0.3186, 0.2781)
contains.

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Color

Yxy(11.8847, 0.3198, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	745871
RGB	116, 88, 113
RGB Percent	45%, 35%, 44%
CMY	0.5451, 0.6549, 0.5569
CMYK	0.00, 0.24, 0.03, 0.55
HSL	306°, 14%, 40%
HSV	306°, 24%, 45%
XYZ	13.6717, 11.8847, 17.1943
YIQ	99.2220, 8.6630, 13.7110

Conversions

Conversions Part 2

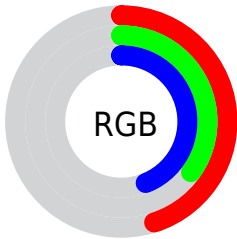
Format	Color
R_{YB}	116, 88, 113
Decimal	7624817
CIE _{Lab}	41.03, 16.15, -9.77
CIE _{LCh}	41, 18.875, 328.822
Yxy	11.8847, 0.3198, 0.2780
Android (android.graphics.Color)	4285814897 (0xFF745871)
YUV	99.2220, 6.7926, 14.7143
Hunter-Lab	34.4742, 10.4592, -5.4395

Details

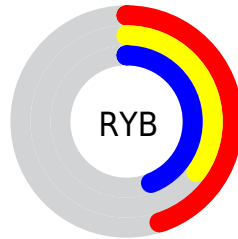
The Yxy color **11.8847, 0.3198, 0.2780** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.3194, 0.3063, 0.3860**, and the grayscale version is **12.5173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2184, 0.3178, 0.2899**, and **3.2309, 0.3217, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **10.1021, 0.3233, 0.2566**, and if you desaturate by 10%, it is **13.9718, 0.3166, 0.2995**.

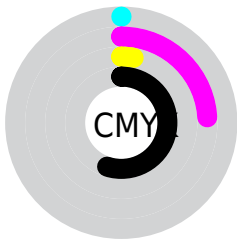
Distribution



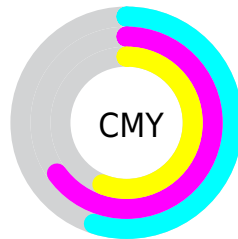
- Red (45%)
- Green (35%)
- Blue (44%)



- Red (45%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (55%)





- Cyan (55%)
- Magenta (65%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8847, 0.3198, 0.2780 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 11.8847, 0.3198, 0.2780 by changing the saturation by 10% instead.

 11.8847, 0.3198,
0.2780


 11.8847, 0.3198,
0.2780


203.6405, 0.3159,
0.3082


 6.6652, 0.3209,
0.2682


 29.2849, 0.3183,
0.2904

 3.2536, 0.3223,
0.2539

 42.2345, 0.3178,
0.2946


 1.2655, 0.3240,
0.2309

 58.5295, 0.3173,
0.2980

 0.1143, 0.3529,
0.0802

 78.5544, 0.3169,
0.3008

 0.0000, 0.0000,
0.0000

 102.6935, 0.3166,
0.3031

131.3313, 0.3164,

0.3050

164.8522, 0.3161,
0.3067

■ 11.8847, 0.3198,
0.2780

■ 11.8847, 0.3198,
0.2780

■ 10.1021, 0.3233,
0.2566

■ 13.9718, 0.3166,
0.2995

■ 8.6081, 0.3270,
0.2361

■ 16.3751, 0.3138,
0.3205

■ 7.3877, 0.3309,
0.2171

■ 19.1078, 0.3113,
0.3408

■ 6.4241, 0.3349,
0.2006

■ 22.1817, 0.3091,
0.3599

■ 5.6985, 0.3389,
0.1874

■ 25.6081, 0.3071,
0.3777

■ 5.1896, 0.3428,
0.1779

■ 29.3978, 0.3055,
0.3943

■ 4.8659, 0.3465,
0.1722

■ 33.5610, 0.3041,
0.4095

■ 4.7032, 0.3486,
0.1694

■ 38.1077, 0.3028,
0.4234

■ 43.0474, 0.3018,
0.4361

Harmonies

Analogous

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



11.8847, 0.2793, 0.2635



11.8847, 0.3198, 0.2780



11.8847, 0.3608, 0.3041

Triad

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



11.8847, 0.3198, 0.2780



11.8847, 0.3775, 0.3953



11.8847, 0.2417, 0.3134

Complementary

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



11.8847, 0.3198, 0.2780



15.3194, 0.3063, 0.3860

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.



11.8847, 0.2649, 0.3541



11.8847, 0.3198, 0.2780



11.8847, 0.3429, 0.4040

Square

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



11.8847, 0.3198, 0.2780



11.8847, 0.3951, 0.3698



11.8847, 0.3016, 0.3890



11.8847, 0.2364, 0.2809

Rectangle

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



11.8847, 0.3198, 0.2780



11.8847, 0.3819, 0.3255



11.8847, 0.3016, 0.3890



11.8847, 0.2475, 0.3266

Sweetspot

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



11.8852, 0.3198, 0.2780



27.4394, 0.3146, 0.3142



10.4557, 0.2779, 0.2657



6.5047, 0.3147, 0.3134



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



11.8852, 0.3198, 0.2780



19.0730, 0.3217, 0.2660



11.5978, 0.3412, 0.3055



3.7515, 0.3152, 0.3103



5.2772, 0.3488, 0.1695



25.6403, 0.3505, 0.1704

Inverse Universe

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



11.8852, 0.3198, 0.2780



19.0730, 0.3217, 0.2660



15.5798, 0.2909, 0.3538



3.7515, 0.3152, 0.3103



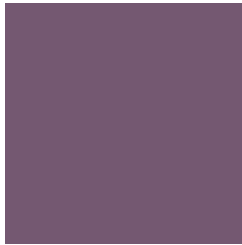
5.2772, 0.3488, 0.1695



25.6403, 0.3505, 0.1704

Previews

White Background



This preview shows how the Yxy color 11.8847, 0.3198, 0.2780 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8847, 0.3198, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

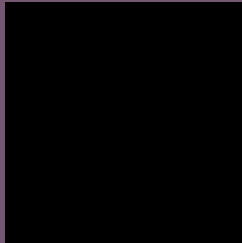
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8847, 0.3198, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 11.8847, 0.3198, 0.2780.



This preview shows how white text looks on a background with the Yxy color 11.8847, 0.3198, 0.2780.

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

11.8847, 0.3198, 0.2780

Protanopia

11.9491, 0.2783, 0.2803

Deuteranopia

12.0069, 0.2954, 0.2916



Tritanopia

11.9414, 0.3390, 0.3142

Trichromacy



Original Color

11.8847, 0.3198, 0.2780

Protanomaly

11.8564, 0.2929, 0.2793

Deuteranomaly

11.8274, 0.3041, 0.2860

Tritanomaly

11.9364, 0.3331, 0.3018

Monochromacy



Original Color

11.8847, 0.3198, 0.2780

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1872, 0.3152, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8847, 0.3198, 0.2780 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(116, 88, 113)` looks like.

```
.text, #text, p{  
    color:rgb(116, 88, 113)  
}
```

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(116, 88, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 88, 113) }
```

Border

The CSS property to change the border of an element to Yxy 11.8847, 0.3198, 0.2780 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(116, 88, 113) }
```

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

```
.border{ border-color:rgb(116, 88, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 88, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 88, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 88, 113);  
box-shadow:4px 4px 4px 4px rgb(116, 88,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8847, 0.3198, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 88, 113) }
```

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

```
.background{ background-color: rgb(116, 88,  
113) }
```

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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