

Converting Colors

$Y_{xy}(11.8217, 0.2973, 0.2410)$

Have a look what the booklet for
Yxy(11.8217, 0.2973, 0.2410)
contains.

Yxy(11.8906, 0.2973, 0.2419)	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(11.8906, 0.2973, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	755582
RGB	117, 85, 130
RGB Percent	46%, 33%, 51%
CMY	0.5412, 0.6667, 0.4901
CMYK	0.10, 0.35, 0.00, 0.49
HSL	283°, 21%, 42%
HSV	283°, 35%, 51%
XYZ	14.6138, 11.8906, 22.6506
YIQ	99.6980, 4.6270, 20.7790

Conversions

Conversions Part 2

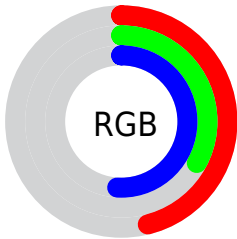
Format	Color
R_{YB}	117, 85, 130
Decimal	7689602
CIE _{Lab}	41.04, 21.99, -20.16
CIE _{LCh}	41, 29.833, 317.494
Yxy	11.8906, 0.2973, 0.2419
Android (android.graphics.Color)	4285879682 (0xFF755582)
YUV	99.6980, 14.9389, 15.1739
Hunter-Lab	34.4827, 15.3035, -14.8078

Details

The Yxy color **11.8906, 0.2973, 0.2419** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2249, 0.3229, 0.4232**, and the grayscale version is **12.6238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2929, 0.3023, 0.2621**, and **3.2592, 0.2885, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **9.7730, 0.2913, 0.2158**, and if you desaturate by 10%, it is **14.3959, 0.3026, 0.2681**.

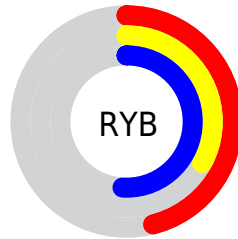
Distribution



Red (46%)

Green (33%)

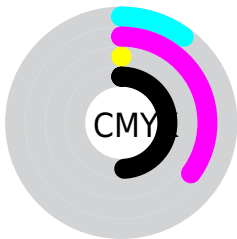
Blue (51%)



Red (46%)

Yellow (33%)

Blue (51%)

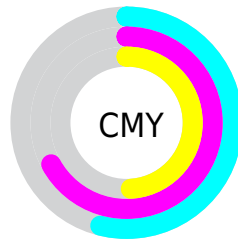


Cyan (10%)

Magenta (35%)

Yellow (0%)

Black (49%)



Cyan (54%)

Magenta (67%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8906, 0.2973, 0.2419 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 11.8906, 0.2973, 0.2419 by changing the saturation by 10% instead.

■ 11.8906, 0.2973,
0.2419

■ 11.8906, 0.2973,
0.2419

■ 203.6797, 0.3076,
0.2922

■ 6.6692, 0.2933,
0.2266

■ 29.2957, 0.3019,
0.2621

■ 3.2561, 0.2869,
0.2049

■ 42.2482, 0.3034,
0.2691

■ 1.2669, 0.2754,
0.1725

■ 58.5466, 0.3045,
0.2747

■ 0.1153, 0.2675,
0.0477

■ 78.5751, 0.3054,
0.2794

■ 0.0000, 0.0000,
0.0000

■ 102.7184, 0.3061,
0.2834

131.3606, 0.3067,

0.2867

164.8862, 0.3072,
0.2896

■ 11.8906, 0.2973,
0.2419

■ 11.8906, 0.2973,
0.2419

■ 9.7730, 0.2913,
0.2158

■ 14.3959, 0.3026,
0.2681

■ 8.0209, 0.2846,
0.1909

■ 17.3066, 0.3072,
0.2937

■ 6.6119, 0.2774,
0.1680

■ 20.6410, 0.3111,
0.3182

■ 5.5208, 0.2699,
0.1483

■ 24.4160, 0.3144,
0.3412

■ 4.7187, 0.2623,
0.1325

■ 28.6474, 0.3171,
0.3624

■ 4.1654, 0.2548,
0.1211

■ 33.3504, 0.3192,
0.3819

■ 3.9075, 0.2508,
0.1155

■ 38.5393, 0.3209,
0.3997

■ 44.2279, 0.3223,
0.4158

■ 50.4294, 0.3234,
0.4303

Harmonies

Analogous

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



11.8906, 0.2410, 0.2277



11.8906, 0.2973, 0.2419



11.8906, 0.3646, 0.2742

Triad

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



11.8906, 0.2973, 0.2419



11.8906, 0.4268, 0.4154



11.8906, 0.2139, 0.3255

Complementary

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



11.8906, 0.2973, 0.2419



19.2249, 0.3229, 0.4232

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.



11.8906, 0.2564, 0.3938



11.8906, 0.2973, 0.2419



11.8906, 0.3794, 0.4462

Square

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



11.8906, 0.2973, 0.2419



11.8906, 0.4437, 0.3685



11.8906, 0.3168, 0.4416



11.8906, 0.1971, 0.2681

Rectangle

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



11.8906, 0.2973, 0.2419



11.8906, 0.4048, 0.3029



11.8906, 0.3168, 0.4416



11.8906, 0.2254, 0.3484

Sweetspot

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



11.8911, 0.2973, 0.2419



32.9550, 0.3090, 0.3046



12.3746, 0.2570, 0.2609



7.3063, 0.3086, 0.3018



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



11.8911, 0.2973, 0.2419



17.7827, 0.2923, 0.2202



12.6259, 0.3299, 0.2618



4.3519, 0.3095, 0.3074



3.7490, 0.2509, 0.1156



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1275, 0.3673, 0.3038



18.3309, 0.3867, 0.2976



18.7102, 0.2994, 0.4073



4.3632, 0.3237, 0.3228



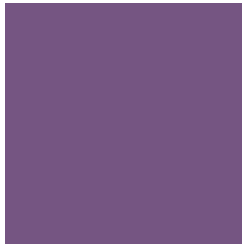
4.6835, 0.5722, 0.2926



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.8906, 0.2973, 0.2419 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 11.8906, 0.2973, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

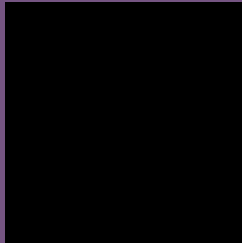
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8906, 0.2973, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 11.8906, 0.2973, 0.2419.



This preview shows how white text looks on a background with the Yxy color 11.8906, 0.2973, 0.2419.

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

11.8906, 0.2973, 0.2419

Protanopia

12.0855, 0.2474, 0.2406

Deuteranopia

11.9166, 0.2642, 0.2579



Tritanopia

11.8088, 0.3358, 0.3140

Trichromacy



Original Color

11.8906, 0.2973, 0.2419

Protanomaly

11.8904, 0.2634, 0.2405

Deuteranomaly

11.7765, 0.2752, 0.2501

Tritanomaly

11.8480, 0.3210, 0.2854

Monochromacy



Original Color

11.8906, 0.2973, 0.2419

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3963, 0.3069, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8906, 0.2973, 0.2419 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(117, 85, 130)` looks like.

```
.text, #text, p{  
    color:rgb(117, 85, 130)  
}
```

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(117, 85, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 85, 130) }
```

Border

The CSS property to change the border of an element to Yxy 11.8906, 0.2973, 0.2419 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(117, 85, 130) }
```

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

```
.border{ border-color:rgb(117, 85, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 85, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 85, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 85, 130);  
box-shadow:4px 4px 4px 4px rgb(117, 85,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8906, 0.2973, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 85, 130) }
```

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

```
.background{ background-color: rgb(117, 85,  
130) }
```

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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