

Converting Colors

$Y_{xy}(16.8600, 0.2988, 0.2599)$

Have a look what the booklet for
Yxy(16.8600, 0.2988, 0.2599)
contains.

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Color

Yxy(16.9421, 0.2991, 0.2606)

Conversions

Conversions Part 1

Format	Color
Hex	836990
RGB	131, 105, 144
RGB Percent	51%, 41%, 56%
CMY	0.4863, 0.5882, 0.4354
CMYK	0.09, 0.27, 0.00, 0.44
HSL	280°, 16%, 49%
HSV	280°, 27%, 56%
XYZ	19.4451, 16.9421, 28.6247
YIQ	117.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

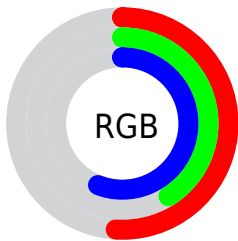
Format	Color
R_{YB}	131, 105, 144
Decimal	8612240
CIE _{Lab}	48.19, 17.95, -17.45
CIE _{LCh}	48, 25.038, 315.802
Yxy	16.9421, 0.2991, 0.2606
Android (android.graphics.Color)	4286802320 (0xFF836990)
YUV	117.2200, 13.2025, 12.0851
Hunter-Lab	41.1608, 12.2951, -12.4199

Details

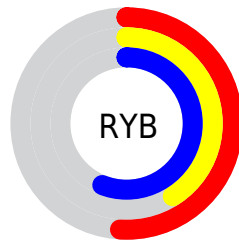
The Yxy color **16.9421, 0.2991, 0.2606** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.8127, 0.3229, 0.4008**, and the grayscale version is **17.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0445, 0.3023, 0.2748**, and **5.5836, 0.2909, 0.2345** is the 20% darker color. If you saturate the color by 10%, you get **13.8796, 0.2925, 0.2337**, and if you desaturate by 10%, it is **20.5204, 0.3048, 0.2870**.

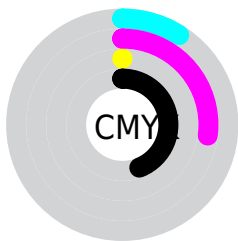
Distribution



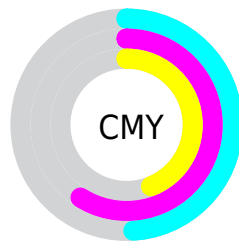
- Red (51%)
- Green (41%)
- Blue (56%)



- Red (51%)
- Yellow (41%)
- Blue (56%)



- Cyan (9%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)




- Cyan (49%)
- Magenta (59%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9421, 0.2991, 0.2606 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 16.9421, 0.2991, 0.2606 by changing the saturation by 10% instead.


 16.9421, 0.2991,
0.2606


 16.9421, 0.2991,
0.2606


234.8385, 0.3076,
0.2988


 10.1932, 0.2962,
0.2496


 38.2262, 0.3027,
0.2755


 5.5273, 0.2918,
0.2344


 53.5302, 0.3039,
0.2808

 2.5598, 0.2847,
0.2122

 72.4547, 0.3048,
0.2851

 0.9065, 0.2715,
0.1773

 95.3841, 0.3056,
0.2888

 0.0000, 0.1980,
0.0000

122.7028, 0.3062,
0.2918

 0.0000, 0.0000,
0.0000

154.7952, 0.3067,

0.2945

192.0456, 0.3072,
0.2967

■ 16.9421, 0.2991,
0.2606

■ 16.9421, 0.2991,
0.2606

■ 13.8796, 0.2925,
0.2337

■ 20.5204, 0.3048,
0.2870

■ 11.3056, 0.2851,
0.2070

■ 24.6357, 0.3097,
0.3121

■ 9.1932, 0.2771,
0.1815

■ 29.3110, 0.3138,
0.3357

■ 7.5123, 0.2685,
0.1585

■ 34.5668, 0.3173,
0.3576

■ 6.2291, 0.2597,
0.1389

■ 40.4228, 0.3201,
0.3775

■ 5.3043, 0.2509,
0.1236

■ 46.8980, 0.3223,
0.3957

■ 4.6702, 0.2424,
0.1126

■ 54.0100, 0.3241,
0.4121

■ 4.5018, 0.2400,
0.1096

■ 61.7762, 0.3256,
0.4269

■ 70.2131, 0.3267,
0.4402

Harmonies

Analogous

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



16.9421, 0.2564, 0.2507



16.9421, 0.2991, 0.2606



16.9421, 0.3491, 0.2854

Triad

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



16.9421, 0.2991, 0.2606



16.9421, 0.4007, 0.3948



16.9421, 0.2390, 0.3305

Complementary

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



16.9421, 0.2991, 0.2606



24.8127, 0.3229, 0.4008

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.



16.9421, 0.2734, 0.3789



16.9421, 0.2991, 0.2606



16.9421, 0.3670, 0.4161

Square

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



16.9421, 0.2991, 0.2606



16.9421, 0.4104, 0.3594



16.9421, 0.3201, 0.4119



16.9421, 0.2239, 0.2865

Rectangle

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



16.9421, 0.2991, 0.2606



16.9421, 0.3791, 0.3080



16.9421, 0.3201, 0.4119



16.9421, 0.2485, 0.3470

Sweetspot

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



16.9428, 0.2991, 0.2606



42.6217, 0.3092, 0.3095



17.9731, 0.2699, 0.2798



9.5328, 0.3086, 0.3060



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.



16.9428, 0.2991, 0.2606



26.7633, 0.2955, 0.2456



17.8522, 0.3239, 0.2741



5.4223, 0.3088, 0.3070



3.9342, 0.2404, 0.1098



0.0497, 0.2790, 0.1311

Inverse Universe

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



17.3397, 0.3502, 0.3064



27.6173, 0.3607, 0.3015



24.1044, 0.3032, 0.3910



5.4519, 0.3233, 0.3217



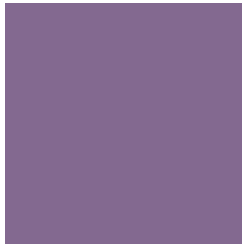
5.3529, 0.5578, 0.2846



0.0549, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 16.9421, 0.2991, 0.2606 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 16.9421, 0.2991, 0.2606 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 16.9421, 0.2991, 0.2606

Background



This preview shows how black text looks on a background with the Yxy color 16.9421, 0.2991, 0.2606.



This preview shows how white text looks on a background with the Yxy color 16.9421, 0.2991, 0.2606.

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

16.9421, 0.2991, 0.2606

Protanopia

17.0155, 0.2632, 0.2599

Deuteranopia

16.9510, 0.2765, 0.2708



Tritanopia

16.9719, 0.3255, 0.3140

Trichromacy



Original Color

16.9421, 0.2991, 0.2606

Protanomaly

16.8674, 0.2745, 0.2593

Deuteranomaly

16.7720, 0.2843, 0.2664

Tritanomaly

16.8466, 0.3157, 0.2939

Monochromacy



Original Color

16.9421, 0.2991, 0.2606

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4801, 0.3075, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9421, 0.2991, 0.2606 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(131, 105, 144)` looks like.

```
.text, #text, p{  
    color:rgb(131, 105, 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(131, 105, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 105, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.9421, 0.2991, 0.2606 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(131, 105, 144) }
```

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

```
.border{ border-color:rgb(131, 105, 144) }
```

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

Here you see how a box with a 4 pixel rgb(131, 105, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 105, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 105, 144);  
box-shadow:4px 4px 4px 4px rgb(131, 105,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9421, 0.2991, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 105, 144) }
```

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

```
.background{ background-color: rgb(131,  
105, 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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