

Converting Colors

$Y_{xy}(16.7975, 0.2896, 0.2676)$

Have a look what the booklet for
Yxy(16.7975, 0.2896, 0.2676)
contains.

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Color

Yxy(16.7431, 0.2890, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	796C8E
RGB	121, 108, 142
RGB Percent	47%, 42%, 56%
CMY	0.5255, 0.5765, 0.4432
CMYK	0.15, 0.24, 0.00, 0.44
HSL	263°, 14%, 49%
HSV	263°, 24%, 56%
XYZ	18.1295, 16.7431, 27.8592
YIQ	115.7630, -3.1660, 13.3300

Conversions

Conversions Part 2

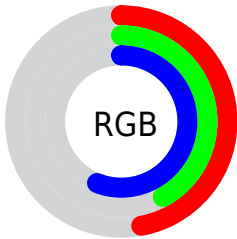
Format	Color
R _Y B	121, 108, 142
Decimal	7957646
CIE Lab	47.93, 12.24, -16.74
CIE LCh	48, 20.734, 306.174
Yxy	16.7431, 0.2890, 0.2669
Android (android.graphics.Color)	4286147726 (0xFF796C8E)
YUV	115.7630, 12.9348, 4.5928
Hunter-Lab	40.9183, 7.4800, -11.7246

Details

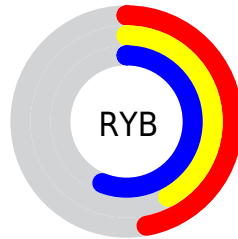
The Yxy color **16.7431, 0.2890, 0.2669** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0882, 0.3326, 0.3895**, and the grayscale version is **17.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7805, 0.2949, 0.2798**, and **5.4879, 0.2774, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **13.3840, 0.2767, 0.2377**, and if you desaturate by 10%, it is **20.6489, 0.2999, 0.2944**.

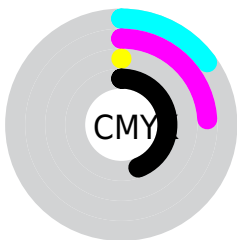
Distribution



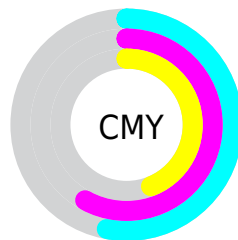
- Red (47%)
- Green (42%)
- Blue (56%)



- Red (47%)
- Yellow (42%)
- Blue (56%)



- Cyan (15%)
- Magenta (24%)
- Yellow (0%)
- Black (44%)



- Cyan (53%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7431, 0.2890, 0.2669 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 16.7431, 0.2890, 0.2669 by changing the saturation by 10% instead.

■ 16.7431, 0.2890,
0.2669

■ 16.7431, 0.2890,
0.2669

■ 233.6876, 0.3031,
0.3019

■ 10.0515, 0.2844,
0.2566

■ 37.8835, 0.2948,
0.2807

■ 5.4331, 0.2778,
0.2422

■ 53.1012, 0.2968,
0.2856

■ 2.5036, 0.2673,
0.2210

■ 71.9296, 0.2984,
0.2895

■ 0.8784, 0.2485,
0.1868

■ 94.7532, 0.2997,
0.2928

■ 0.0000, 0.0812,
0.0000

■ 121.9564, 0.3007,
0.2956

■ 0.0000, 0.0000,
0.0000

153.9236, 0.3017,

0.2980

191.0392, 0.3025,
0.3001

■ 16.7431, 0.2890,
0.2669

■ 16.7431, 0.2890,
0.2669

■ 13.3840, 0.2767,
0.2377

■ 20.6489, 0.2999,
0.2944

■ 10.5444, 0.2630,
0.2075

■ 25.1227, 0.3094,
0.3197

■ 8.1978, 0.2484,
0.1773

■ 30.1873, 0.3175,
0.3427

■ 6.3146, 0.2331,
0.1486

■ 35.8635, 0.3244,
0.3633

■ 4.8618, 0.2179,
0.1229

■ 42.1712, 0.3303,
0.3818

■ 3.8020, 0.2036,
0.1019

■ 49.1294, 0.3352,
0.3982

■ 3.0894, 0.1908,
0.0865

■ 56.7560, 0.3394,
0.4128

■ 2.7459, 0.1837,
0.0786

■ 65.0686, 0.3429,
0.4257

■ 74.0840, 0.3458,
0.4371

Harmonies

Analogous

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



16.7431, 0.2566, 0.2635



16.7431, 0.2890, 0.2669



16.7431, 0.3300, 0.2843

Triad

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



16.7431, 0.2890, 0.2669



16.7431, 0.3912, 0.3763



16.7431, 0.2588, 0.3438

Complementary

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



16.7431, 0.2890, 0.2669



25.0882, 0.3326, 0.3895

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.



16.7431, 0.2922, 0.3807



16.7431, 0.2890, 0.2669



16.7431, 0.3692, 0.3980

Square

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



16.7431, 0.2890, 0.2669



16.7431, 0.3913, 0.3449



16.7431, 0.3326, 0.4010



16.7431, 0.2401, 0.3048

Rectangle

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



16.7431, 0.2890, 0.2669



16.7431, 0.3567, 0.3020



16.7431, 0.3326, 0.4010



16.7431, 0.2686, 0.3571

Sweetspot

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



16.7438, 0.2890, 0.2669



41.6659, 0.3065, 0.3118



20.9792, 0.2768, 0.3058



9.2200, 0.3060, 0.3106



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



16.7438, 0.2890, 0.2669



26.0578, 0.2822, 0.2505



18.0348, 0.3096, 0.2706



5.3493, 0.3046, 0.3067



2.4762, 0.1842, 0.0788



0.0357, 0.2334, 0.1059

Inverse Universe

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



18.0594, 0.3318, 0.2927



28.8535, 0.3376, 0.2837



23.9027, 0.3145, 0.3930



5.4765, 0.3192, 0.3155



5.7945, 0.4431, 0.2214



0.0597, 0.3777, 0.1854

Previews

White Background



This preview shows how the Yxy color 16.7431, 0.2890, 0.2669 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 16.7431, 0.2890, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

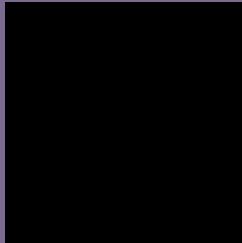
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7431, 0.2890, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 16.7431, 0.2890, 0.2669.



This preview shows how white text looks on a background with the Yxy color 16.7431, 0.2890, 0.2669.

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

16.7431, 0.2890, 0.2669

Protanopia

16.9188, 0.2690, 0.2684

Deuteranopia

16.8909, 0.2785, 0.2742



Tritanopia

16.7507, 0.3083, 0.3115

Trichromacy



Original Color

16.7431, 0.2890, 0.2669

Protanomaly

16.7620, 0.2753, 0.2671

Deuteranomaly

16.9368, 0.2831, 0.2730

Tritanomaly

16.8054, 0.3001, 0.2947

Monochromacy



Original Color

16.7431, 0.2890, 0.2669

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1425, 0.3048, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7431, 0.2890, 0.2669 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(121, 108, 142)` looks like.

```
.text, #text, p{  
    color:rgb(121, 108, 142)  
}
```

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(121, 108, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 108, 142) }
```

Border

The CSS property to change the border of an element to Yxy 16.7431, 0.2890, 0.2669 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(121, 108, 142) }
```

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

```
.border{ border-color:rgb(121, 108, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 108, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 108, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 108, 142);  
box-shadow:4px 4px 4px 4px rgb(121, 108,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7431, 0.2890, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 108, 142) }
```

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

```
.background{ background-color: rgb(121,  
108, 142) }
```

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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