

Converting Colors

$Y_{xy}(16.2427, 0.2976, 0.2594)$

Have a look what the booklet for
Yxy(16.2427, 0.2976, 0.2594)
contains.

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Color

Yxy(16.2427, 0.2976, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	80678E
RGB	128, 103, 142
RGB Percent	50%, 40%, 56%
CMY	0.4980, 0.5961, 0.4432
CMYK	0.10, 0.27, 0.00, 0.44
HSL	278°, 16%, 48%
HSV	278°, 27%, 56%
XYZ	18.6346, 16.2427, 27.7391
YIQ	114.9210, 2.3810, 17.4290

Conversions

Conversions Part 2

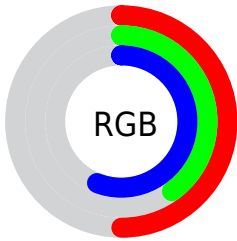
Format	Color
RYB	128, 103, 142
Decimal	8415118
CIELab	47.29, 17.66, -17.66
CIELCh	47, 24.978, 314.994
Yxy	16.2427, 0.2976, 0.2594
Android (android.graphics.Color)	4286605198 (0xFF80678E)
YUV	114.9210, 13.3499, 11.4703
Hunter-Lab	40.3022, 12.0046, -12.5963

Details

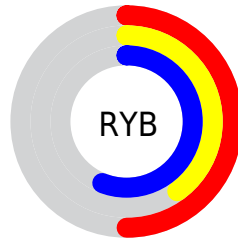
The Yxy color **16.2427, 0.2976, 0.2594** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1024, 0.3241, 0.4016**, and the grayscale version is **17.0779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9205, 0.3012, 0.2741**, and **5.2208, 0.2884, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **13.2695, 0.2904, 0.2322**, and if you desaturate by 10%, it is **19.7168, 0.3039, 0.2859**.

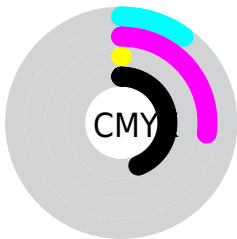
Distribution



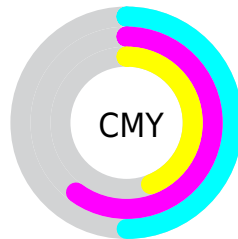
- Red (50%)
- Green (40%)
- Blue (56%)



- Red (50%)
- Yellow (40%)
- Blue (56%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)




- Cyan (50%)
- Magenta (60%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2427, 0.2976, 0.2594 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 16.2427, 0.2976, 0.2594 by changing the saturation by 10% instead.


 16.2427, 0.2976,
0.2594


 16.2427, 0.2976,
0.2594


230.7696, 0.3070,
0.2984


 9.6961, 0.2944,
0.2480


 37.0190, 0.3016,
0.2747


 5.1979, 0.2895,
0.2322


 52.0175, 0.3029,
0.2801

 2.3638, 0.2816,
0.2091

 70.6021, 0.3039,
0.2846

 0.8072, 0.2668,
0.1721

 93.1571, 0.3048,
0.2883

 0.0000, 0.1385,
0.0000

120.0669, 0.3055,
0.2914

 0.0000, 0.0000,
0.0000

151.7160, 0.3061,

0.2941

188.4888, 0.3066,
0.2964

■ 16.2427, 0.2976,
0.2594

■ 16.2427, 0.2976,
0.2594

■ 13.2695, 0.2904,
0.2322

■ 19.7168, 0.3039,
0.2859

■ 10.7705, 0.2824,
0.2053

■ 23.7125, 0.3093,
0.3112

■ 8.7200, 0.2736,
0.1795


■ 28.2519, 0.3138,
0.3349


■ 7.0884, 0.2644,
0.1561


■ 33.3551, 0.3176,
0.3567

■ 5.8429, 0.2549,
0.1361


■ 39.0413, 0.3207,
0.3767

 4.9455, 0.2455,
0.1205

 45.3285, 0.3233,
0.3948

 4.3250, 0.2365,
0.1092

 52.2343, 0.3253,
0.4111

 4.1802, 0.2342,
0.1064

 59.7754, 0.3270,
0.4258

 67.9677, 0.3283,
0.4390

Harmonies

Analogous

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



16.2427, 0.2548, 0.2499



16.2427, 0.2976, 0.2594



16.2427, 0.3482, 0.2841

Triad

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



16.2427, 0.2976, 0.2594



16.2427, 0.4024, 0.3946



16.2427, 0.2389, 0.3318

Complementary

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



16.2427, 0.2976, 0.2594



24.1024, 0.3241, 0.4016

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.



16.2427, 0.2741, 0.3807



16.2427, 0.2976, 0.2594



16.2427, 0.3687, 0.4168

Square

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



16.2427, 0.2976, 0.2594



16.2427, 0.4115, 0.3586



16.2427, 0.3215, 0.4135



16.2427, 0.2231, 0.2869

Rectangle

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



16.2427, 0.2976, 0.2594



16.2427, 0.3788, 0.3067



16.2427, 0.3215, 0.4135



16.2427, 0.2487, 0.3486

Sweetspot

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



16.2434, 0.2976, 0.2594



41.2915, 0.3089, 0.3095



17.6283, 0.2695, 0.2816



8.9973, 0.3082, 0.3061



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.



16.2434, 0.2976, 0.2594



25.2808, 0.2932, 0.2425



17.2509, 0.3224, 0.2713



5.4156, 0.3084, 0.3069



3.7644, 0.2346, 0.1066



0.0484, 0.2753, 0.1290

Inverse Universe

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



16.7347, 0.3494, 0.3043



26.3462, 0.3607, 0.2984



23.3130, 0.3043, 0.3945



5.4541, 0.3229, 0.3211



5.3806, 0.5480, 0.2792



0.0554, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 16.2427, 0.2976, 0.2594 looks on a white background.

Color Contrast Check

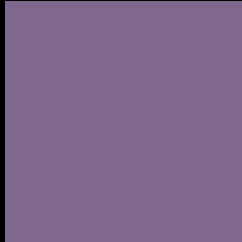
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2427, 0.2976, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

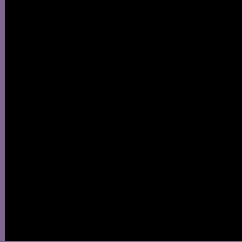
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2427, 0.2976, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 16.2427, 0.2976, 0.2594.



This preview shows how white text looks on a background with the Yxy color 16.2427, 0.2976, 0.2594.

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

16.2427, 0.2976, 0.2594

Protanopia

16.3318, 0.2615, 0.2587

Deuteranopia

16.3262, 0.2759, 0.2699



Tritanopia

16.2712, 0.3244, 0.3137

Trichromacy



Original Color

16.2427, 0.2976, 0.2594

Protanomaly

16.1800, 0.2728, 0.2580

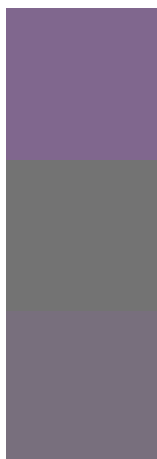
Deuteranomaly

16.1515, 0.2839, 0.2655

Tritanomaly

16.1487, 0.3144, 0.2932

Monochromacy



Original Color

16.2427, 0.2976, 0.2594

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8426, 0.3074, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2427, 0.2976, 0.2594 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(128, 103, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 103, 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(128, 103, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 103, 142) }
```

Border

The CSS property to change the border of an element to Yxy 16.2427, 0.2976, 0.2594 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(128, 103, 142) }
```

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

```
.border{ border-color:rgb(128, 103, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 103, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 103, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 103, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 103,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2427, 0.2976, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 103, 142) }
```

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

```
.background{ background-color: rgb(128,  
103, 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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