

Converting Colors

$Y_{xy}(16.2347, 0.3075, 0.2706)$

Have a look what the booklet for
Yxy(16.2347, 0.3075, 0.2706)
contains.

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Color

Yxy(16.2239, 0.3074, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	826788
RGB	130, 103, 136
RGB Percent	51%, 40%, 53%
CMY	0.4903, 0.5960, 0.4666
CMYK	0.04, 0.24, 0.00, 0.47
HSL	289°, 14%, 47%
HSV	289°, 24%, 53%
XYZ	18.4986, 16.2239, 25.4552
YIQ	114.8350, 5.4990, 15.9870

Conversions

Conversions Part 2

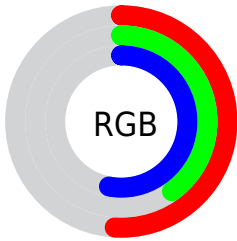
Format	Color
R_{YB}	130, 103, 136
Decimal	8546184
CIE _{Lab}	47.27, 17.06, -14.13
CIE _{LCh}	47, 22.147, 320.369
Yxy	16.2239, 0.3074, 0.2696
Android (android.graphics.Color)	4286736264 (0xFF826788)
YUV	114.8350, 10.4343, 13.2997
Hunter-Lab	40.2789, 11.4904, -9.2744

Details

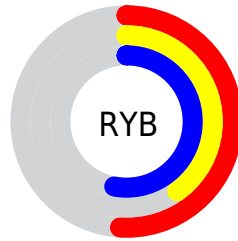
The Yxy color **16.2239, 0.3074, 0.2696** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8467, 0.3163, 0.3934**, and the grayscale version is **17.0585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8526, 0.3092, 0.2829**, and **5.2057, 0.3037, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **13.5407, 0.3044, 0.2442**, and if you desaturate by 10%, it is **19.3534, 0.3099, 0.2947**.

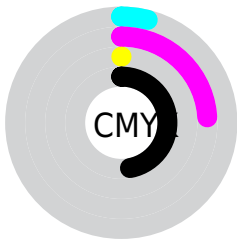
Distribution



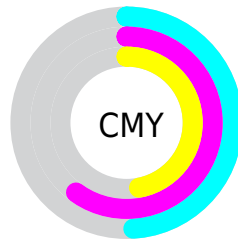
- Red (51%)
- Green (40%)
- Blue (53%)



- Red (51%)
- Yellow (40%)
- Blue (53%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)





- Cyan (49%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2239, 0.3074, 0.2696 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 16.2239, 0.3074, 0.2696 by changing the saturation by 10% instead.


 16.2239, 0.3074,
0.2696


 16.2239, 0.3074,
0.2696


230.6593, 0.3110,
0.3031


 9.6827, 0.3060,
0.2597


 36.9865, 0.3090,
0.2829

 5.1891, 0.3038,
0.2458


 51.9767, 0.3095,
0.2875

 2.3586, 0.3000,
0.2253

 70.5520, 0.3099,
0.2913

 0.8045, 0.2922,
0.1913

 93.0968, 0.3102,
0.2944

 0.0000, 0.1637,
0.0000

119.9956, 0.3105,
0.2971

 0.0000, 0.0000,
0.0000

151.6326, 0.3107,

0.2994

188.3924, 0.3109,
0.3014

■ 16.2239, 0.3074,
0.2696

■ 16.2239, 0.3074,
0.2696

■ 13.5407, 0.3044,
0.2442

■ 19.3534, 0.3099,
0.2947

■ 11.2805, 0.3010,
0.2194

■ 22.9471, 0.3120,
0.3190

■ 9.4209, 0.2971,
0.1960

■ 27.0242, 0.3136,
0.3420

■ 7.9367, 0.2928,
0.1750

■ 31.6024, 0.3149,
0.3635

■ 6.7997, 0.2883,
0.1574

■ 36.6984, 0.3159,
0.3834

■ 5.9776, 0.2836,
0.1437

■ 42.3281, 0.3166,
0.4015

■ 5.4293, 0.2789,
0.1342

■ 48.5068, 0.3171,
0.4181

■ 5.1666, 0.2761,
0.1295

■ 55.2492, 0.3175,
0.4331

■ 62.5693, 0.3176,
0.4466

Harmonies

Analogous

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



16.2239, 0.2670, 0.2584



16.2239, 0.3074, 0.2696



16.2239, 0.3521, 0.2940

Triad

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



16.2239, 0.3074, 0.2696



16.2239, 0.3886, 0.3926



16.2239, 0.2429, 0.3241

Complementary

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



16.2239, 0.3074, 0.2696



21.8467, 0.3163, 0.3934

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.



16.2239, 0.2719, 0.3674



16.2239, 0.3074, 0.2696



16.2239, 0.3560, 0.4082

Square

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



16.2239, 0.3074, 0.2696



16.2239, 0.4008, 0.3624



16.2239, 0.3131, 0.3998



16.2239, 0.2319, 0.2862

Rectangle

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



16.2239, 0.3074, 0.2696



16.2239, 0.3775, 0.3154



16.2239, 0.3131, 0.3998



16.2239, 0.2507, 0.3386

Sweetspot

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



16.2246, 0.3074, 0.2696



38.5165, 0.3114, 0.3121



15.6124, 0.2740, 0.2757



8.8486, 0.3113, 0.3110



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.2246, 0.3074, 0.2696



25.9546, 0.3059, 0.2560



16.4331, 0.3291, 0.2885



5.0835, 0.3110, 0.3073



4.8924, 0.2763, 0.1295



0.0381, 0.2992, 0.1422

Inverse Universe

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



16.0431, 0.3522, 0.3180



25.6008, 0.3639, 0.3154



21.6999, 0.2994, 0.3732



5.0626, 0.3254, 0.3250



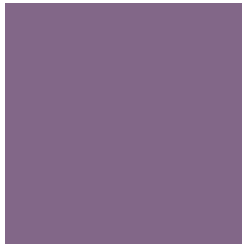
5.0211, 0.6062, 0.3113



0.0350, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 16.2239, 0.3074, 0.2696 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 16.2239, 0.3074, 0.2696 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 16.2239, 0.3074, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 16.2239, 0.3074, 0.2696.



This preview shows how white text looks on a background with the Yxy color 16.2239, 0.3074, 0.2696.

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

16.2239, 0.3074, 0.2696

Protanopia

16.3251, 0.2705, 0.2694

Deuteranopia

16.3459, 0.2859, 0.2810



Tritanopia

16.2652, 0.3300, 0.3138

Trichromacy



Original Color

16.2239, 0.3074, 0.2696

Protanomaly

16.1960, 0.2827, 0.2687

Deuteranomaly

16.1866, 0.2944, 0.2764

Tritanomaly

16.3273, 0.3210, 0.2973

Monochromacy



Original Color

16.2239, 0.3074, 0.2696

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7920, 0.3099, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2239, 0.3074, 0.2696 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(130, 103, 136)` looks like.

```
.text, #text, p{  
    color:rgb(130, 103, 136)  
}
```

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(130, 103, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 103, 136) }
```

Border

The CSS property to change the border of an element to Yxy 16.2239, 0.3074, 0.2696 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(130, 103, 136) }
```

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

```
.border{ border-color:rgb(130, 103, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 103, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 103, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 103, 136);  
box-shadow:4px 4px 4px 4px rgb(130, 103,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2239, 0.3074, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 103, 136) }
```

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

```
.background{ background-color: rgb(130,  
103, 136) }
```

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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