

Converting Colors

$Y_{xy}(24.3069, 0.3064, 0.2462)$

Have a look what the booklet for
Yxy(24.3069, 0.3064, 0.2462)
contains.

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Color

Yxy(24.3069, 0.3064, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	A776B0
RGB	167, 118, 176
RGB Percent	65%, 46%, 69%
CMY	0.3451, 0.5372, 0.3098
CMYK	0.05, 0.33, 0.00, 0.31
HSL	291°, 27%, 58%
HSV	291°, 33%, 69%
XYZ	30.2503, 24.3069, 44.1710
YIQ	139.2630, 10.5860, 28.4260

Conversions

Conversions Part 2

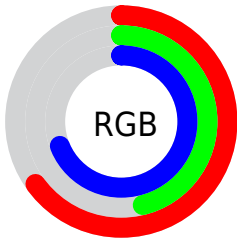
Format	Color
RYB	167, 118, 176
Decimal	10974896
CIELab	56.39, 29.33, -23.24
CIELCh	56, 37.424, 321.615
Yxy	24.3069, 0.3064, 0.2462
Android (android.graphics.Color)	4289164976 (0xFFA776B0)
YUV	139.2630, 18.1113, 24.3253
Hunter-Lab	49.3020, 23.2440, -18.6081

Details

The Yxy color **24.3069, 0.3064, 0.2462** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.8714, 0.3158, 0.4227**, and the grayscale version is **25.8517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6400, 0.3083, 0.2621**, and **9.2637, 0.3027, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **20.2476, 0.3036, 0.2211**, and if you desaturate by 10%, it is **29.1479, 0.3088, 0.2719**.

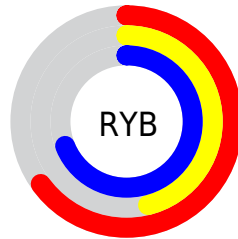
Distribution



Red (65%)

Green (46%)

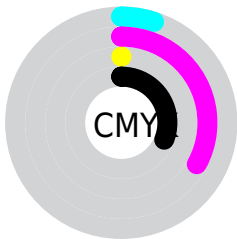
Blue (69%)



Red (65%)

Yellow (46%)

Blue (69%)

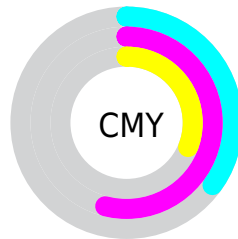


Cyan (5%)

Magenta (33%)

Yellow (0%)

Black (31%)



Cyan (35%)


Magenta (54%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3069, 0.3064, 0.2462 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 24.3069, 0.3064, 0.2462 by changing the saturation by 10% instead.


 24.3069, 0.3064,
0.2462


 24.3069, 0.3064,
0.2462


274.3684, 0.3109,
0.2892


 15.5614, 0.3048,
0.2350


 50.5306, 0.3084,
0.2622

 9.2144, 0.3023,
0.2205


 68.7775, 0.3090,
0.2680

 4.8813, 0.2984,
0.2009


 90.9605, 0.3095,
0.2730

 2.1778, 0.2916,
0.1731

117.4638, 0.3099,
0.2772

 0.7078, 0.2785,
0.1300

148.6718, 0.3102,
0.2808

 0.0000, 0.2179,
0.0000

184.9690, 0.3105,

 0.0000, 0.0000,

0.2840

0.0000

226.7397, 0.3107,
0.2867

■ 24.3069, 0.3064,
0.2462

■ 24.3069, 0.3064,
0.2462

■ 20.2476, 0.3036,
0.2211

■ 29.1479, 0.3088,
0.2719

■ 16.9239, 0.3004,
0.1976

■ 34.8074, 0.3107,
0.2974

■ 14.2893, 0.2968,
0.1767


■ 41.3235, 0.3123,
0.3220

■ 12.2910, 0.2930,
0.1593


■ 48.7309, 0.3135,
0.3453


■ 10.8683, 0.2890,
0.1461


■ 57.0625, 0.3145,
0.3671

 9.9488, 0.2849,
0.1372

 66.3494, 0.3151,
0.3871

 9.4937, 0.2821,
0.1328

 76.6215, 0.3156,
0.4055

 85.4548, 0.3161,
0.4186

 85.8072, 0.3178,
0.4181

Harmonies

Analogous

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



24.3069, 0.2483, 0.2294



24.3069, 0.3064, 0.2462



24.3069, 0.3729, 0.2802

Triad

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



24.3069, 0.3064, 0.2462



24.3069, 0.4207, 0.4201



24.3069, 0.2111, 0.3167

Complementary

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



24.3069, 0.3064, 0.2462



36.8714, 0.3158, 0.4227

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.



24.3069, 0.2500, 0.3842



24.3069, 0.3064, 0.2462



24.3069, 0.3708, 0.4467

Square

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



24.3069, 0.3064, 0.2462



24.3069, 0.4422, 0.3750



24.3069, 0.3082, 0.4360



24.3069, 0.1981, 0.2628

Rectangle

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



24.3069, 0.3064, 0.2462



24.3069, 0.4107, 0.3096



24.3069, 0.3082, 0.4360



24.3069, 0.2214, 0.3388

Sweetspot

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



24.3079, 0.3064, 0.2462



66.2516, 0.3112, 0.3043



22.3394, 0.2568, 0.2496



14.0206, 0.3110, 0.3009



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.3079, 0.3064, 0.2462



38.2608, 0.3043, 0.2267



24.6114, 0.3384, 0.2736



8.5786, 0.3114, 0.3064



6.9864, 0.2825, 0.1330



0.2378, 0.2939, 0.1393

Inverse Universe

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



23.7209, 0.3757, 0.3158



37.0968, 0.3977, 0.3127



36.7183, 0.2939, 0.3919



8.5261, 0.3263, 0.3255



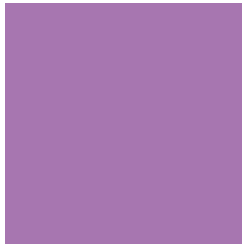
6.8372, 0.6155, 0.3165



0.2218, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 24.3069, 0.3064, 0.2462 looks on a white background.

Color Contrast Check

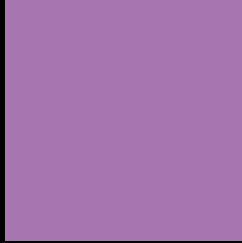
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.3069, 0.3064, 0.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

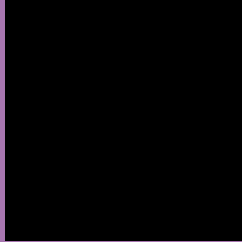
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3069, 0.3064, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 24.3069, 0.3064, 0.2462.



This preview shows how white text looks on a background with the Yxy color 24.3069, 0.3064, 0.2462.

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

24.3069, 0.3064, 0.2462

Protanopia

24.6030, 0.2501, 0.2441

Deuteranopia

24.4593, 0.2704, 0.2648



Tritanopia

24.2763, 0.3435, 0.3134

Trichromacy



Original Color

24.3069, 0.3064, 0.2462

Protanomaly

24.1333, 0.2672, 0.2431

Deuteranomaly

24.3340, 0.2828, 0.2579

Tritanomaly

24.1868, 0.3289, 0.2864

Monochromacy



Original Color

24.3069, 0.3064, 0.2462

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.8892, 0.3109, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3069, 0.3064, 0.2462 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(167, 118, 176)` looks like.

```
.text, #text, p{  
    color:rgb(167, 118, 176)  
}
```

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(167, 118, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 118, 176) }
```

Border

The CSS property to change the border of an element to Yxy 24.3069, 0.3064, 0.2462 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(167, 118, 176) }
```

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

```
.border{ border-color:rgb(167, 118, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 118, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 118, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 118, 176);  
box-shadow:4px 4px 4px 4px rgb(167, 118,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3069, 0.3064, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 118, 176) }
```

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

```
.background{ background-color: rgb(167,  
118, 176) }
```

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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