

Converting Colors

$Y_{xy}(18.4031, 0.3365, 0.2448)$

Have a look what the booklet for
Yxy(18.4031, 0.3365, 0.2448)
contains.

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Color

Yxy(18.3468, 0.3369, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	A65E97
RGB	166, 94, 151
RGB Percent	65%, 37%, 59%
CMY	0.3489, 0.6315, 0.4078
CMYK	0.00, 0.43, 0.09, 0.35
HSL	313°, 29%, 51%
HSV	313°, 43%, 65%
XYZ	25.3217, 18.3468, 31.4925
YIQ	122.0260, 24.6150, 32.9910

Conversions

Conversions Part 2

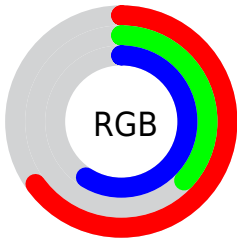
Format	Color
R_{YB}	166, 94, 151
Decimal	10903191
CIE _{Lab}	49.91, 37.62, -18.62
CIE _{LCh}	50, 41.972, 333.664
Yxy	18.3468, 0.3369, 0.2441
Android (android.graphics.Color)	4289093271 (0xFFA65E97)
YUV	122.0260, 14.2842, 38.5652
Hunter-Lab	42.8332, 30.5661, -13.6089

Details

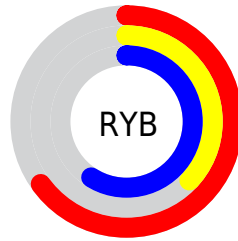
The Yxy color **18.3468, 0.3369, 0.2441** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.7695, 0.2957, 0.4328**, and the grayscale version is **19.4174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4951, 0.3322, 0.2616**, and **6.1662, 0.3435, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **15.5956, 0.3443, 0.2263**, and if you desaturate by 10%, it is **21.7381, 0.3302, 0.2634**.

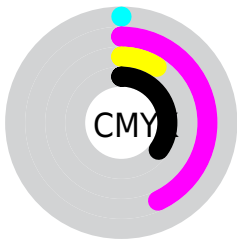
Distribution



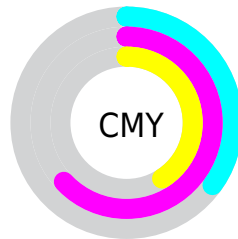
- Red (65%)
- Green (37%)
- Blue (59%)



- Red (65%)
- Yellow (37%)
- Blue (59%)



- Cyan (0%)
- Magenta (43%)
- Yellow (9%)
- Black (35%)





- Cyan (35%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3468, 0.3369, 0.2441 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 18.3468, 0.3369, 0.2441 by changing the saturation by 10% instead.


 18.3468, 0.3369,
0.2441


 18.3468, 0.3369,
0.2441


242.8186, 0.3244,
0.2898


 11.1993, 0.3401,
0.2316


 40.6274, 0.3323,
0.2615


 6.2010, 0.3442,
0.2149


 56.5292, 0.3306,
0.2678

 2.9677, 0.3496,
0.1915

 76.1179, 0.3291,
0.2731

 1.1149, 0.3566,
0.1571

 99.7779, 0.3279,
0.2775

 0.0000, 0.4066,
0.0000

127.8936, 0.3268,
0.2812

 0.0000, 0.0000,
0.0000

160.8493, 0.3259,

0.2845

199.0295, 0.3251,
0.2873

■ 18.3468, 0.3369,
0.2441

■ 18.3468, 0.3369,
0.2441

■ 15.5956, 0.3443,
0.2263

■ 21.7381, 0.3302,
0.2634

■ 13.4408, 0.3521,
0.2110

■ 25.8045, 0.3241,
0.2834

■ 11.8373, 0.3602,
0.1990

■ 30.5814, 0.3188,
0.3033

■ 10.7323, 0.3683,
0.1913

■ 36.1011, 0.3141,
0.3226

■ 10.0629, 0.3762,
0.1880

■ 42.3937, 0.3102,
0.3411

■ 9.7616, 0.3813,
0.1874

■ 49.4879, 0.3068,
0.3584

■ 57.4107, 0.3039,
0.3745

■ 66.1880, 0.3015,
0.3893

■ 75.8444, 0.2995,
0.4029

Harmonies

Analogous

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



18.3468, 0.2596, 0.2157



18.3468, 0.3369, 0.2441



18.3468, 0.4163, 0.2899

Triad

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



18.3468, 0.3369, 0.2441



18.3468, 0.4203, 0.4550



18.3468, 0.1809, 0.2821

Complementary

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



18.3468, 0.3369, 0.2441



30.7695, 0.2957, 0.4328

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.



18.3468, 0.2137, 0.3627



18.3468, 0.3369, 0.2441



18.3468, 0.3507, 0.4768

Square

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



18.3468, 0.3369, 0.2441



18.3468, 0.4644, 0.4039



18.3468, 0.2750, 0.4430



18.3468, 0.1786, 0.2303

Rectangle

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



18.3468, 0.3369, 0.2441



18.3468, 0.4540, 0.3264



18.3468, 0.2750, 0.4430



18.3468, 0.1883, 0.3065

Sweetspot

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



18.3476, 0.3369, 0.2441



55.6219, 0.3187, 0.3036



13.9687, 0.2482, 0.2025



12.0057, 0.3198, 0.2994



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.3476, 0.3369, 0.2441



28.4838, 0.3439, 0.2270



17.3643, 0.3890, 0.2954



7.6394, 0.3168, 0.3113



7.5726, 0.3806, 0.1871



0.1908, 0.3576, 0.1744

Inverse Universe

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



18.3476, 0.3369, 0.2441



28.4838, 0.3439, 0.2270



31.6919, 0.2698, 0.3666



7.6394, 0.3168, 0.3113



7.5726, 0.3806, 0.1871



0.1908, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 18.3468, 0.3369, 0.2441 looks on a white background.

Color Contrast Check

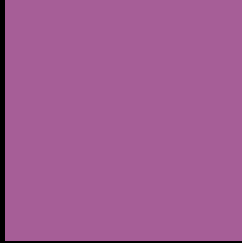
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3468, 0.3369, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

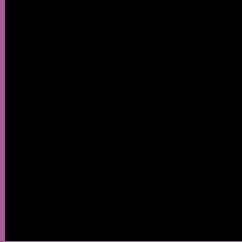
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3468, 0.3369, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 18.3468, 0.3369, 0.2441.



This preview shows how white text looks on a background with the Yxy color 18.3468, 0.3369, 0.2441.

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

18.3468, 0.3369, 0.2441

Protanopia

18.4707, 0.2461, 0.2378

Deuteranopia

18.6111, 0.2798, 0.2746



Tritanopia

18.4034, 0.3863, 0.3179

Trichromacy



Original Color

18.3468, 0.3369, 0.2441

Protanomaly

17.9815, 0.2741, 0.2393

Deuteranomaly

18.2263, 0.2995, 0.2624

Tritanomaly

18.3815, 0.3681, 0.2896

Monochromacy



Original Color

18.3468, 0.3369, 0.2441

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6851, 0.3209, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3468, 0.3369, 0.2441 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(166, 94, 151)` looks like.

```
.text, #text, p{  
    color:rgb(166, 94, 151)  
}
```

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(166, 94, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 94, 151) }
```

Border

The CSS property to change the border of an element to Yxy 18.3468, 0.3369, 0.2441 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(166, 94, 151) }
```

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

```
.border{ border-color:rgb(166, 94, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 94, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 94, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 94, 151);  
box-shadow:4px 4px 4px 4px rgb(166, 94,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3468, 0.3369, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 94, 151) }
```

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

```
.background{ background-color: rgb(166, 94,  
151) }
```

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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