

Converting Colors

$Y_{xy}(10.4207, 0.3544, 0.1964)$

Have a look what the booklet for
Yxy(10.4207, 0.3544, 0.1964)
contains.

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Color

Yxy(10.4731, 0.3546, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	9C2A87
RGB	156, 42, 135
RGB Percent	61%, 16%, 53%
CMY	0.3883, 0.8352, 0.4706
CMYK	0.00, 0.73, 0.13, 0.39
HSL	311°, 58%, 39%
HSV	311°, 73%, 61%
XYZ	18.9092, 10.4731, 23.9431
YIQ	86.6880, 38.0910, 53.0910

Conversions

Conversions Part 2

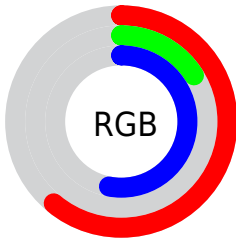
Format	Color
RYB	156, 42, 135
Decimal	10234503
CIELab	38.68, 56.20, -26.44
CIELCh	39, 62.114, 334.803
Yxy	10.4731, 0.3546, 0.1964
Android (android.graphics.Color)	4288424583 (0xFF9C2A87)
YUV	86.6880, 23.8178, 60.7866
Hunter-Lab	32.3622, 47.6635, -21.2121

Details

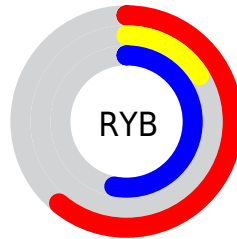
The Yxy color **10.4731, 0.3546, 0.1964** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **24.6251, 0.2917, 0.5228**, and the grayscale version is **9.4047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5556, 0.3455, 0.2238**, and **3.4226, 0.3628, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **9.4938, 0.3616, 0.1880**, and if you desaturate by 10%, it is **11.8863, 0.3476, 0.2089**.

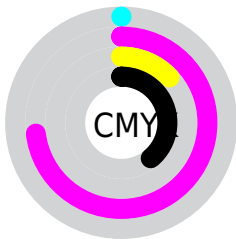
Distribution



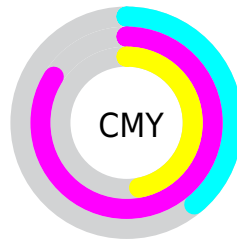
- Red (61%)
- Green (16%)
- Blue (53%)



- Red (61%)
- Yellow (16%)
- Blue (53%)



- Cyan (0%)
- Magenta (73%)
- Yellow (13%)
- Black (39%)




- Cyan (39%)
- Magenta (84%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4731, 0.3546, 0.1964 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 10.4731, 0.3546, 0.1964 by changing the saturation by 10% instead.


 10.4731, 0.3546,
0.1964


 10.4731, 0.3546,
0.1964


194.0161, 0.3324,
0.2699


 5.7137, 0.3602,
0.1758


 26.6816, 0.3464,
0.2249


 2.6718, 0.3672,
0.1483


 38.8996, 0.3433,
0.2350


 0.9629, 0.3756,
0.1107

 54.3726, 0.3407,
0.2434

 0.0000, 0.4074,
0.0000

 73.4849, 0.3385,
0.2505

 0.0000, 0.2719,
0.0000

 96.6211, 0.3367,
0.2564

 0.0000, 0.0000,
0.0000

 124.1654, 0.3351,

0.2616

156.5023, 0.3336,
0.2660

■ 10.4731, 0.3546,
0.1964

■ 10.4731, 0.3546,
0.1964

■ 9.4938, 0.3616,
0.1880

■ 11.8863, 0.3476,
0.2089

■ 8.8937, 0.3684,
0.1840

■ 13.7767, 0.3407,
0.2246

■ 8.6055, 0.3730,
0.1829

■ 16.1840, 0.3342,
0.2429

■ 19.1431, 0.3282,
0.2626

■ 22.6863, 0.3228,
0.2830

■ 26.8429, 0.3181,
0.3033

■ 31.6407, 0.3139,
0.3231

■ 37.1055, 0.3103,
0.3420

■ 43.2617, 0.3072,
0.3597

Harmonies

Analogous

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



10.4731, 0.2250, 0.1555



10.4731, 0.3546, 0.1964



10.4731, 0.4993, 0.2610

Triad

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



10.4731, 0.3546, 0.1964



10.4731, 0.4628, 0.5206



10.4731, 0.1065, 0.2329

Complementary

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



10.4731, 0.3546, 0.1964



24.6251, 0.2917, 0.5228

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.



10.4731, 0.1432, 0.3759



10.4731, 0.3546, 0.1964



10.4731, 0.3453, 0.5924

Square

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



10.4731, 0.3546, 0.1964



10.4731, 0.5500, 0.4206



10.4731, 0.2300, 0.5479



10.4731, 0.1092, 0.1641

Rectangle

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



10.4731, 0.3546, 0.1964



10.4731, 0.5615, 0.3104



10.4731, 0.2300, 0.5479



10.4731, 0.1136, 0.2715

Sweetspot

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



10.4736, 0.3546, 0.1964



41.6482, 0.3225, 0.2843



5.1119, 0.1931, 0.1112



8.7875, 0.3238, 0.2792



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



10.4736, 0.3546, 0.1964



16.4479, 0.3662, 0.1849



9.2763, 0.4769, 0.2780



6.7336, 0.3164, 0.3109



7.0942, 0.3726, 0.1826



0.1318, 0.3488, 0.1695

Inverse Universe

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



10.4736, 0.3546, 0.1964



16.4479, 0.3662, 0.1849



25.6196, 0.2548, 0.4024



6.7336, 0.3164, 0.3109



7.0942, 0.3726, 0.1826



0.1318, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 10.4731, 0.3546, 0.1964 looks on a white background.

Color Contrast Check

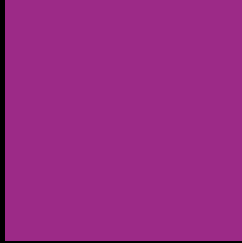
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4731, 0.3546, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

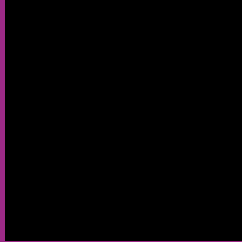
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4731, 0.3546, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 10.4731, 0.3546, 0.1964.



This preview shows how white text looks on a background with the Yxy color 10.4731, 0.3546, 0.1964.

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

10.4731, 0.3546, 0.1964

Protanopia

10.7754, 0.1897, 0.1655

Deuteranopia

10.7462, 0.2510, 0.2464



Tritanopia

10.5682, 0.4724, 0.3230

Trichromacy



Original Color

10.4731, 0.3546, 0.1964

Protanomaly

9.1041, 0.2221, 0.1629

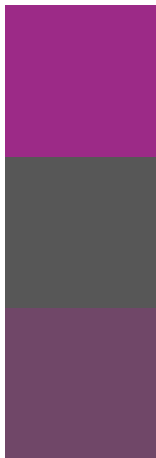
Deuteranomaly

9.5919, 0.2820, 0.2136

Tritanomaly

10.2765, 0.4308, 0.2717

Monochromacy



Original Color

10.4731, 0.3546, 0.1964

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

8.9507, 0.3304, 0.2586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4731, 0.3546, 0.1964 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(156, 42, 135)` looks like.

```
.text, #text, p{  
    color:rgb(156, 42, 135)  
}
```

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(156, 42, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 42, 135) }
```

Border

The CSS property to change the border of an element to Yxy 10.4731, 0.3546, 0.1964 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(156, 42, 135) }
```

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

```
.border{ border-color:rgb(156, 42, 135) }
```

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

Here you see how a box with a 4 pixel rgb(156, 42, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 42, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 42, 135);  
box-shadow:4px 4px 4px 4px rgb(156, 42,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4731, 0.3546, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 42, 135) }
```

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

```
.background{ background-color: rgb(156, 42,  
135) }
```

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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