

# Converting Colors

$Y_{xy}(18.3892, 0.3384, 0.2399)$

Have a look what the booklet for  
Yxy(18.3892, 0.3384, 0.2399)  
contains.

<b>Yxy(18.3892, 0.3384, 0.2399)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(18.3892, 0.3384, 0.2399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A95C99
RGB	169, 92, 153
RGB Percent	66%, 36%, 60%
CMY	0.3373, 0.6392, 0.3999
CMYK	0.00, 0.46, 0.09, 0.34
HSL	312°, 31%, 51%
HSV	312°, 46%, 66%
XYZ	25.9396, 18.3892, 32.3248
YIQ	121.9770, 26.3110, 35.2950

# Conversions

## Conversions Part 2

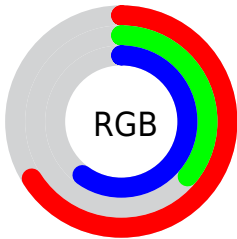
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 92, 153
Decimal	11099289
CIE <sub>Lab</sub>	49.96, 39.99, -19.69
CIE <sub>LCh</sub>	50, 44.576, 333.789
Yxy	18.3892, 0.3384, 0.2399
Android (android.graphics.Color)	4289289369 (0xFFA95C99)
YUV	121.9770, 15.2943, 41.2392
Hunter-Lab	42.8826, 32.9295, -14.6748

# Details

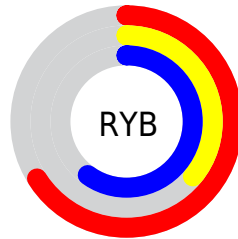
The Yxy color **18.3892, 0.3384, 0.2399** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.7333, 0.2950, 0.4394**, and the grayscale version is **19.3976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6203, 0.3343, 0.2582**, and **6.2601, 0.3456, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **15.6671, 0.3459, 0.2225**, and if you desaturate by 10%, it is **21.7695, 0.3315, 0.2590**.

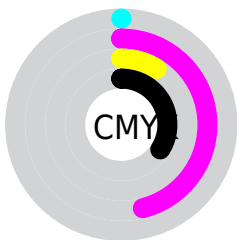
# Distribution



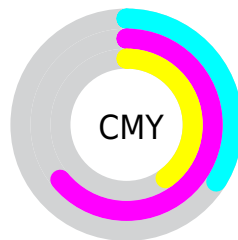
- Red (66%)
- Green (36%)
- Blue (60%)



- Red (66%)
- Yellow (36%)
- Blue (60%)



- Cyan (0%)
- Magenta (46%)
- Yellow (9%)
- Black (34%)




- Cyan (34%)
- Magenta (64%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3892, 0.3384, 0.2399 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 18.3892, 0.3384, 0.2399 by changing the saturation by 10% instead.





 18.3892, 0.3384,  
0.2399


 18.3892, 0.3384,  
0.2399


243.0557, 0.3252,  
0.2877


 11.2298, 0.3417,  
0.2269


 40.6994, 0.3335,  
0.2580


 6.2216, 0.3460,  
0.2097


 56.6190, 0.3317,  
0.2646

 2.9803, 0.3516,  
0.1858

 76.2274, 0.3302,  
0.2701

 1.1215, 0.3587,  
0.1509

 99.9090, 0.3289,  
0.2747

 0.0000, 0.4061,  
0.0000

128.0483, 0.3278,  
0.2786

 0.0000, 0.0000,  
0.0000

161.0295, 0.3268,

0.2820

199.2372, 0.3259,  
0.2850

■ 18.3892, 0.3384,  
0.2399

■ 18.3892, 0.3384,  
0.2399

■ 15.6671, 0.3459,  
0.2225

■ 21.7695, 0.3315,  
0.2590

■ 13.5567, 0.3538,  
0.2079

■ 25.8453, 0.3253,  
0.2789

■ 12.0095, 0.3619,  
0.1968


■ 30.6544, 0.3198,  
0.2989


■ 10.9684, 0.3699,  
0.1900


■ 36.2307, 0.3151,  
0.3185


■ 10.3603, 0.3777,  
0.1877

■ 42.6063, 0.3110,  
0.3372

 10.1536, 0.3811,  
0.1873

 49.8114, 0.3075,  
0.3548

 57.8746, 0.3045,  
0.3712

 66.8232, 0.3020,  
0.3863

 76.6831, 0.2999,  
0.4003

# Harmonies

## Analogous

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



18.3892, 0.2567, 0.2102



18.3892, 0.3384, 0.2399



18.3892, 0.4228, 0.2877

# Triad

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



18.3892, 0.3384, 0.2399



18.3892, 0.4251, 0.4615



18.3892, 0.1740, 0.2784

# Complementary

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



18.3892, 0.3384, 0.2399



31.7333, 0.2950, 0.4394

# 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.



18.3892, 0.2078, 0.3641



18.3892, 0.3384, 0.2399



18.3892, 0.3515, 0.4862

# Square

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



18.3892, 0.3384, 0.2399



18.3892, 0.4726, 0.4067



18.3892, 0.2718, 0.4507



18.3892, 0.1720, 0.2245



# Rectangle

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



18.3892, 0.3384, 0.2399



18.3892, 0.4628, 0.3257



18.3892, 0.2718, 0.4507



18.3892, 0.1816, 0.3041

# Sweetspot

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



18.3900, 0.3384, 0.2399



56.1295, 0.3192, 0.3015



13.6702, 0.2441, 0.1952



11.8124, 0.3202, 0.2974



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.



18.3900, 0.3384, 0.2399



27.8774, 0.3462, 0.2218



17.3298, 0.3948, 0.2938



7.6395, 0.3168, 0.3113



7.5755, 0.3804, 0.1869



0.1909, 0.3574, 0.1743



# Inverse Universe

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



18.3900, 0.3384, 0.2399



27.8774, 0.3462, 0.2218



32.7231, 0.2681, 0.3688



7.6395, 0.3168, 0.3113



7.5755, 0.3804, 0.1869



0.1909, 0.3574, 0.1743



# Previews

## White Background



This preview shows how the Yxy color 18.3892, 0.3384, 0.2399 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 18.3892, 0.3384, 0.2399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

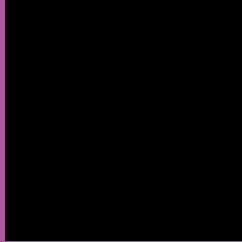
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.3892, 0.3384, 0.2399**

## Background



This preview shows how black text looks on a background with the Yxy color 18.3892, 0.3384, 0.2399.



This preview shows how white text looks on a background with the Yxy color 18.3892, 0.3384, 0.2399.

# 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

18.3892, 0.3384, 0.2399

### Protanopia

18.7602, 0.2432, 0.2351

### Deuteranopia

18.6055, 0.2767, 0.2711



## Tritanopia

18.3040, 0.3929, 0.3165

# Trichromacy



## Original Color

18.3892, 0.3384, 0.2399

## Protanomaly

18.0895, 0.2712, 0.2351

## Deuteranomaly

18.0780, 0.2972, 0.2576

## Tritanomaly

18.3230, 0.3729, 0.2872

# Monochromacy



## Original Color

18.3892, 0.3384, 0.2399

## Achromatopsia

19.4618, 0.3127, 0.3290

## Achromatomaly

18.5513, 0.3223, 0.2908

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.3892, 0.3384, 0.2399 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(169, 92, 153)` looks like.

```
.text, #text, p{  
    color:rgb(169, 92, 153)  
}
```

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(169, 92, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 92, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 18.3892, 0.3384, 0.2399 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(169, 92, 153) }
```

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

```
.border{ border-color:rgb(169, 92, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 92, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 92, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 92, 153);  
box-shadow:4px 4px 4px 4px rgb(169, 92,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.3892, 0.3384, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 92, 153) }
```

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

```
.background{ background-color: rgb(169, 92,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor