

# Converting Colors

$Y_{xy}(24.9476, 0.3493, 0.2749)$

Have a look what the booklet for  
Yxy(24.9476, 0.3493, 0.2749)  
contains.

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# Color

**Yxy(24.9246, 0.3491, 0.2746)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>B7749B</b>
RGB	<b>183, 116, 155</b>
RGB Percent	<b>72%, 45%, 61%</b>
CMY	<b>0.2824, 0.5450, 0.3921</b>
CMYK	<b>0.00, 0.37, 0.15, 0.28</b>
HSL	<b>325°, 32%, 59%</b>
HSV	<b>325°, 37%, 72%</b>
XYZ	<b>31.6867, 24.9246, 34.1556</b>
YIQ	<b>140.4790, 27.4130, 26.3330</b>

# Conversions

## Conversions Part 2

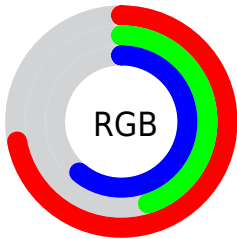
Format	Color
<b>R<sub>YB</sub></b>	183, 116, 155
Decimal	12022939
CIE <sub>Lab</sub>	57.00, 32.03, -10.03
CIE <sub>LCh</sub>	57, 33.566, 342.618
Yxy	24.9246, 0.3491, 0.2746
Android (android.graphics.Color)	4290213019 (0xFFB7749B)
YUV	140.4790, 7.1589, 37.2909
Hunter-Lab	49.9245, 25.9247, -5.6157

# Details

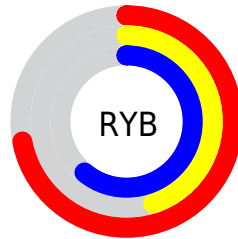
The Yxy color **24.9246, 0.3491, 0.2746** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.5847, 0.2881, 0.3910**, and the grayscale version is **26.3861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5046, 0.3421, 0.2859**, and **9.5630, 0.3620, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **20.8653, 0.3633, 0.2599**, and if you desaturate by 10%, it is **29.8333, 0.3369, 0.2899**.

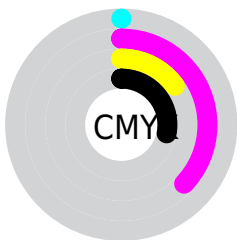
# Distribution



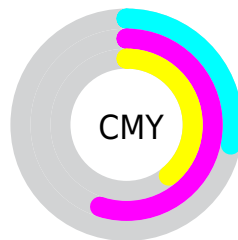
- Red (72%)
- Green (45%)
- Blue (61%)



- Red (72%)
- Yellow (45%)
- Blue (61%)



- Cyan (0%)
- Magenta (37%)
- Yellow (15%)
- Black (28%)



- Cyan (28%)
- Magenta (55%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9246, 0.3491, 0.2746 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 24.9246, 0.3491, 0.2746 by changing the saturation by 10% instead.





 24.9246, 0.3491,  
0.2746


 24.9246, 0.3491,  
0.2746


277.4622, 0.3296,  
0.3034


 16.0209, 0.3544,  
0.2669


 51.5349, 0.3417,  
0.2855

 9.5389, 0.3616,  
0.2566


 70.0102, 0.3390,  
0.2894

 5.0943, 0.3716,  
0.2423


 92.4449, 0.3368,  
0.2927

 2.3027, 0.3867,  
0.2212

119.2233, 0.3349,  
0.2955

 0.7752, 0.4125,  
0.1863

150.7299, 0.3333,  
0.2979

 0.0000, 0.5787,  
0.0000

187.3490, 0.3319,

 0.0000, 0.0000,

0.3000

0.0000

229.4649, 0.3307,  
0.3018

■ 24.9246, 0.3491,  
0.2746

■ 24.9246, 0.3491,  
0.2746

■ 20.8653, 0.3633,  
0.2599

■ 29.8333, 0.3369,  
0.2899

■ 17.6026, 0.3793,  
0.2467

■ 35.6332, 0.3265,  
0.3050

■ 15.0833, 0.3971,  
0.2361

■ 42.3676, 0.3177,  
0.3197

■ 13.2460, 0.4160,  
0.2292


■ 50.0758, 0.3104,  
0.3336


■ 12.0194, 0.4355,  
0.2270


■ 58.7949, 0.3043,  
0.3466

 11.3072, 0.4546,  
0.2299

 68.5600, 0.2992,  
0.3587

 11.1167, 0.4612,  
0.2314

 79.4047, 0.2950,  
0.3698

 86.5499, 0.2912,  
0.3723

 86.9548, 0.2872,  
0.3635

# Harmonies

## Analogous

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



24.9246, 0.2903, 0.2478



24.9246, 0.3491, 0.2746



24.9246, 0.4012, 0.3136

# Triad

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



24.9246, 0.3491, 0.2746



24.9246, 0.3807, 0.4299



24.9246, 0.2104, 0.2829

# Complementary

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



24.9246, 0.3491, 0.2746



39.5847, 0.2881, 0.3910

# 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.



24.9246, 0.2298, 0.3363



24.9246, 0.3491, 0.2746



24.9246, 0.3266, 0.4302

# Square

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



24.9246, 0.3491, 0.2746



24.9246, 0.4185, 0.4007



24.9246, 0.2714, 0.3941



24.9246, 0.2150, 0.2492



# Rectangle

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



24.9246, 0.3491, 0.2746



24.9246, 0.4222, 0.3432



24.9246, 0.2714, 0.3941



24.9246, 0.2142, 0.2989

# Sweetspot

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



24.9258, 0.3491, 0.2746



70.1554, 0.3215, 0.3131



21.8341, 0.2745, 0.2281



15.1373, 0.3227, 0.3111



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



24.9258, 0.3491, 0.2746



38.6275, 0.3605, 0.2626



23.9540, 0.3923, 0.3212



9.0976, 0.3199, 0.3158



7.7713, 0.4590, 0.2302



0.2860, 0.4144, 0.2057



# Inverse Universe

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



24.9258, 0.3491, 0.2746



38.6275, 0.3605, 0.2626



40.7618, 0.2657, 0.3373



9.0976, 0.3199, 0.3158



7.7713, 0.4590, 0.2302

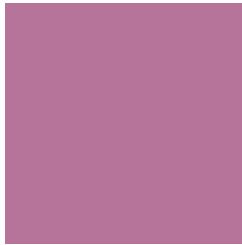


0.2860, 0.4144, 0.2057



# Previews

## White Background



This preview shows how the Yxy color 24.9246, 0.3491, 0.2746 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

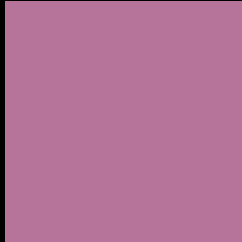
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.9246, 0.3491, 0.2746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

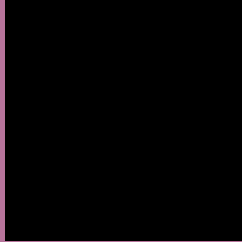
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.9246, 0.3491, 0.2746**

## Background



This preview shows how black text looks on a background with the Yxy color 24.9246, 0.3491, 0.2746.



This preview shows how white text looks on a background with the Yxy color 24.9246, 0.3491, 0.2746.

# 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

24.9246, 0.3491, 0.2746

### Protanopia

25.1813, 0.2761, 0.2772

### Deuteranopia

24.9713, 0.3053, 0.2983



## Tritanopia

24.9897, 0.3755, 0.3161

# Trichromacy



## Original Color

24.9246, 0.3491, 0.2746

## Protanomaly

24.7344, 0.2997, 0.2761

## Deuteranomaly

24.7478, 0.3204, 0.2889

## Tritanomaly

24.8815, 0.3660, 0.3004

# Monochromacy



## Original Color

24.9246, 0.3491, 0.2746

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

25.3449, 0.3263, 0.3071

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9246, 0.3491, 0.2746 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(183, 116, 155)` looks like.

```
.text, #text, p{  
    color:rgb(183, 116, 155)  
}
```

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(183, 116, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 116, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9246, 0.3491, 0.2746 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(183, 116, 155) }
```

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

```
.border{ border-color:rgb(183, 116, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 116, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 116, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 116, 155);  
box-shadow:4px 4px 4px 4px rgb(183, 116,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9246, 0.3491, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 116, 155) }
```

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

```
.background{ background-color: rgb(183,  
116, 155) }
```

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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