

Converting Colors

$Y_{xy}(24.6948, 0.3372, 0.2707)$

Have a look what the booklet for
Yxy(24.6948, 0.3372, 0.2707)
contains.

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Color

Yxy(24.8072, 0.3368, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	B1769F
RGB	177, 118, 159
RGB Percent	69%, 46%, 62%
CMY	0.3060, 0.5372, 0.3764
CMYK	0.00, 0.33, 0.10, 0.31
HSL	318°, 27%, 58%
HSV	318°, 33%, 69%
XYZ	30.8647, 24.8072, 35.9691
YIQ	140.3150, 22.0030, 25.2590

Conversions

Conversions Part 2

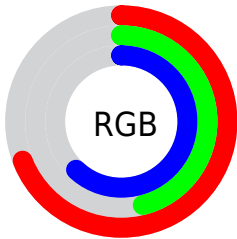
Format	Color
RYB	177, 118, 159
Decimal	11630239
CIELab	56.89, 29.50, -12.59
CIElCh	57, 32.077, 336.892
Yxy	24.8072, 0.3368, 0.2707
Android (android.graphics.Color)	4289820319 (0xFFB1769F)
YUV	140.3150, 9.2117, 32.1727
Hunter-Lab	49.8068, 23.4523, -7.9528

Details

The Yxy color **24.8072, 0.3368, 0.2707** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.0641, 0.2950, 0.3957**, and the grayscale version is **26.3122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3045, 0.3314, 0.2820**, and **9.4279, 0.3433, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **20.8402, 0.3465, 0.2533**, and if you desaturate by 10%, it is **29.5667, 0.3283, 0.2886**.

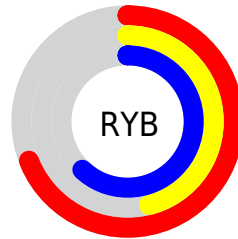
Distribution



Red (69%)

Green (46%)

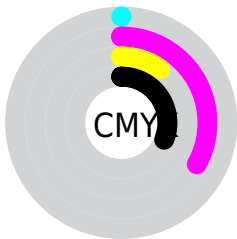
Blue (62%)



Red (69%)

Yellow (46%)

Blue (62%)

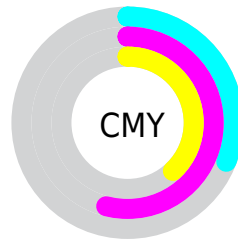


Cyan (0%)

Magenta (33%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (54%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8072, 0.3368, 0.2707 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 24.8072, 0.3368, 0.2707 by changing the saturation by 10% instead.

 24.8072, 0.3368,
0.2707


 24.8072, 0.3368,
0.2707


276.8764, 0.3242,
0.3014


 15.9335, 0.3401,
0.2625


 51.3443, 0.3321,
0.2823

 9.4771, 0.3445,
0.2516


 69.7764, 0.3303,
0.2865

 5.0537, 0.3506,
0.2366


 92.1635, 0.3289,
0.2900

 2.2788, 0.3594,
0.2145

118.8898, 0.3277,
0.2930

 0.7624, 0.3737,
0.1781

150.3399, 0.3266,
0.2956

 0.0000, 0.4375,
0.0000

186.8981, 0.3257,

 0.0000, 0.0000,

0.2978

0.0000

228.9488, 0.3249,
0.2997

■ 24.8072, 0.3368,
0.2707

■ 24.8072, 0.3368,
0.2707

■ 20.8402, 0.3465,
0.2533

■ 29.5667, 0.3283,
0.2886

■ 17.6182, 0.3574,
0.2372

■ 35.1557, 0.3209,
0.3064

■ 15.0943, 0.3693,
0.2234


■ 41.6132, 0.3146,
0.3235

■ 13.2144, 0.3819,
0.2130


■ 48.9745, 0.3093,
0.3398

■ 11.9166, 0.3948,
0.2068


■ 57.2731, 0.3048,
0.3550

 11.1268, 0.4075,
0.2055

 66.5407, 0.3010,
0.3691

 10.7760, 0.4160,
0.2065

 76.8075, 0.2979,
0.3820

 85.1353, 0.2952,
0.3893

 85.3954, 0.2924,
0.3829

Harmonies

Analogous

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



24.8072, 0.2814, 0.2477



24.8072, 0.3368, 0.2707



24.8072, 0.3893, 0.3066

Triad

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



24.8072, 0.3368, 0.2707



24.8072, 0.3866, 0.4221



24.8072, 0.2161, 0.2936

Complementary

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



24.8072, 0.3368, 0.2707



37.0641, 0.2950, 0.3957

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.



24.8072, 0.2394, 0.3470



24.8072, 0.3368, 0.2707



24.8072, 0.3367, 0.4283

Square

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



24.8072, 0.3368, 0.2707



24.8072, 0.4182, 0.3910



24.8072, 0.2828, 0.3999



24.8072, 0.2161, 0.2570

Rectangle

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



24.8072, 0.3368, 0.2707



24.8072, 0.4131, 0.3347



24.8072, 0.2828, 0.3999



24.8072, 0.2213, 0.3101

Sweetspot

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



24.8083, 0.3368, 0.2707



66.4496, 0.3188, 0.3118



21.3431, 0.2716, 0.2364



14.0693, 0.3197, 0.3095



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.



24.8083, 0.3368, 0.2707



39.0737, 0.3439, 0.2578



23.9111, 0.3732, 0.3118



8.6018, 0.3182, 0.3133



7.8211, 0.4147, 0.2058



0.2559, 0.3829, 0.1883

Inverse Universe

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



24.8083, 0.3368, 0.2707



39.0737, 0.3439, 0.2578



38.0105, 0.2741, 0.3473



8.6018, 0.3182, 0.3133



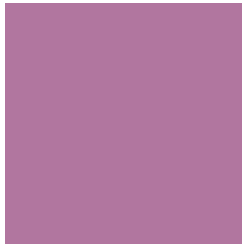
7.8211, 0.4147, 0.2058



0.2559, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 24.8072, 0.3368, 0.2707 looks on a white background.

Color Contrast Check

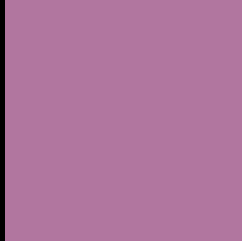
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8072, 0.3368, 0.2707 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 24.8072, 0.3368, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 24.8072, 0.3368, 0.2707.



This preview shows how white text looks on a background with the Yxy color 24.8072, 0.3368, 0.2707.

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

24.8072, 0.3368, 0.2707

Protanopia

24.8574, 0.2715, 0.2708

Deuteranopia

24.8381, 0.2981, 0.2918



Tritanopia

24.8305, 0.3650, 0.3157

Trichromacy



Original Color

24.8072, 0.3368, 0.2707

Protanomaly

24.6015, 0.2926, 0.2698

Deuteranomaly

24.7427, 0.3114, 0.2840

Tritanomaly

24.7417, 0.3544, 0.2982

Monochromacy



Original Color

24.8072, 0.3368, 0.2707

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.3814, 0.3206, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8072, 0.3368, 0.2707 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(177, 118, 159)` looks like.

```
.text, #text, p{  
    color:rgb(177, 118, 159)  
}
```

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(177, 118, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 118, 159) }
```

Border

The CSS property to change the border of an element to Yxy 24.8072, 0.3368, 0.2707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

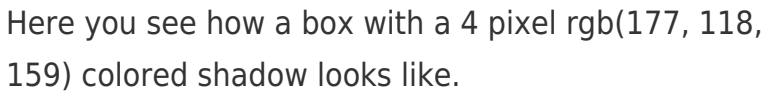
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 118, 159) }
```

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

```
.border{ border-color:rgb(177, 118, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 118, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 118, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 118, 159); box-shadow:4px 4px 4px 4px rgb(177, 118, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8072, 0.3368, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 118, 159) }
```

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

```
.background{ background-color: rgb(177,  
118, 159) }
```

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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