

Converting Colors

$Y_{xy}(12.3802, 0.3421, 0.2639)$

Have a look what the booklet for
Yxy(12.3802, 0.3421, 0.2639)
contains.

Yxy(12.3873, 0.3430, 0.2646)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.3873, 0.3430, 0.2646)

Conversions

Conversions Part 1

Format	Color
Hex	865275
RGB	134, 82, 117
RGB Percent	53%, 32%, 46%
CMY	0.4746, 0.6784, 0.5412
CMYK	0.00, 0.39, 0.13, 0.47
HSL	320°, 24%, 42%
HSV	320°, 39%, 53%
XYZ	16.0576, 12.3873, 18.3703
YIQ	101.5380, 19.7570, 21.9090

Conversions

Conversions Part 2

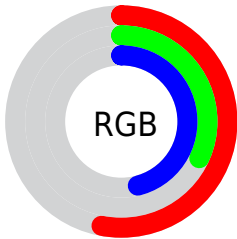
Format	Color
RYB	134, 82, 117
Decimal	8802933
CIELab	41.83, 27.16, -10.81
CIElCh	42, 29.236, 338.289
Yxy	12.3873, 0.3430, 0.2646
Android (android.graphics.Color)	4286993013 (0xFF865275)
YUV	101.5380, 7.6228, 28.4692
Hunter-Lab	35.1956, 19.8464, -6.3094

Details

The Yxy color **12.3873, 0.3430, 0.2646** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.7424, 0.2918, 0.4040**, and the grayscale version is **13.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0585, 0.3358, 0.2792**, and **3.4707, 0.3557, 0.2355** is the 20% darker color. If you saturate the color by 10%, you get **10.4596, 0.3538, 0.2485**, and if you desaturate by 10%, it is **14.7156, 0.3335, 0.2815**.

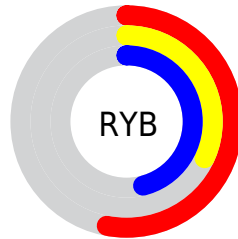
Distribution



Red (53%)

Green (32%)

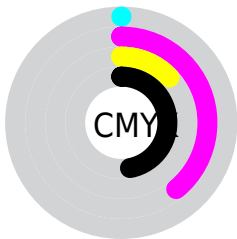
Blue (46%)



Red (53%)

Yellow (32%)

Blue (46%)

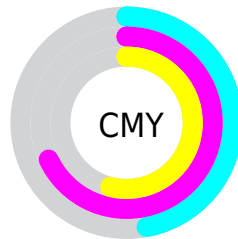


Cyan (0%)

Magenta (39%)

Yellow (13%)

Black (47%)



Cyan (47%)

Magenta (68%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3873, 0.3430, 0.2646 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 12.3873, 0.3430, 0.2646 by changing the saturation by 10% instead.

■ 12.3873, 0.3430,
0.2646

■ 12.3873, 0.3430,
0.2646

■ 206.9527, 0.3254,
0.3021

■ 7.0080, 0.3485,
0.2529

■ 30.1986, 0.3359,
0.2798

■ 3.4671, 0.3564,
0.2362

■ 43.3993, 0.3334,
0.2850

■ 1.3802, 0.3686,
0.2102

■ 59.9760, 0.3315,
0.2892

■ 0.2021, 0.4206,
0.0994

■ 80.3131, 0.3298,
0.2926

■ 0.0000, 0.0000,
0.0000

■ 104.7949, 0.3284,
0.2956

133.8059, 0.3273,

0.2980

167.7303, 0.3263,
0.3002

■ 12.3873, 0.3430,
0.2646

■ 12.3873, 0.3430,
0.2646

■ 10.4596, 0.3538,
0.2485

■ 14.7156, 0.3335,
0.2815

■ 8.9076, 0.3658,
0.2340

■ 17.4641, 0.3252,
0.2985

■ 7.7065, 0.3788,
0.2221


■ 20.6531, 0.3181,
0.3150


■ 6.8274, 0.3923,
0.2138


■ 24.3011, 0.3120,
0.3309

■ 6.2371, 0.4061,
0.2099

■ 28.4254, 0.3069,
0.3458

 5.8525, 0.4199,
0.2097

 33.0428, 0.3027,
0.3597

 5.8083, 0.4217,
0.2096

 38.1688, 0.2991,
0.3726

 43.8184, 0.2961,
0.3845

 50.0062, 0.2936,
0.3954

Harmonies

Analogous

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



12.3873, 0.2793, 0.2381



12.3873, 0.3430, 0.2646



12.3873, 0.4031, 0.3051

Triad

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



12.3873, 0.3430, 0.2646



12.3873, 0.3939, 0.4362



12.3873, 0.2028, 0.2851

Complementary

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



12.3873, 0.3430, 0.2646



19.7424, 0.2918, 0.4040

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.



12.3873, 0.2272, 0.3461



12.3873, 0.3430, 0.2646



12.3873, 0.3362, 0.4435

Square

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



12.3873, 0.3430, 0.2646



12.3873, 0.4320, 0.4002



12.3873, 0.2751, 0.4092



12.3873, 0.2042, 0.2454

Rectangle

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



12.3873, 0.3430, 0.2646



12.3873, 0.4296, 0.3365



12.3873, 0.2751, 0.4092



12.3873, 0.2080, 0.3036

Sweetspot

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



12.3879, 0.3430, 0.2646



34.3541, 0.3204, 0.3093



10.3803, 0.2658, 0.2223



7.6051, 0.3211, 0.3076



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.3879, 0.3430, 0.2646



18.6658, 0.3529, 0.2497



11.8685, 0.3868, 0.3110



4.7376, 0.3183, 0.3145



5.4463, 0.4213, 0.2095



0.0202, 0.3672, 0.1796

Inverse Universe

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



12.3879, 0.3430, 0.2646



18.6658, 0.3529, 0.2497



20.3082, 0.2688, 0.3484



4.7376, 0.3183, 0.3145



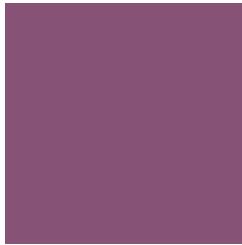
5.4463, 0.4213, 0.2095



0.0202, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 12.3873, 0.3430, 0.2646 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 12.3873, 0.3430, 0.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

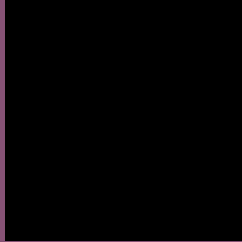
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3873, 0.3430, 0.2646

Background



This preview shows how black text looks on a background with the Yxy color 12.3873, 0.3430, 0.2646.



This preview shows how white text looks on a background with the Yxy color 12.3873, 0.3430, 0.2646.

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

12.3873, 0.3430, 0.2646

Protanopia

12.5180, 0.2661, 0.2648

Deuteranopia

12.5310, 0.2957, 0.2922



Tritanopia

12.4320, 0.3766, 0.3175

Trichromacy



Original Color

12.3873, 0.3430, 0.2646

Protanomaly

12.2353, 0.2911, 0.2632

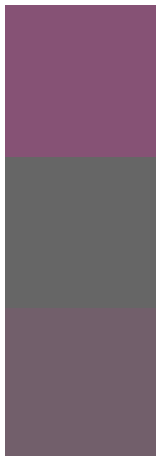
Deuteranomaly

12.4028, 0.3119, 0.2817

Tritanomaly

12.3618, 0.3638, 0.2966

Monochromacy



Original Color

12.3873, 0.3430, 0.2646

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8234, 0.3245, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3873, 0.3430, 0.2646 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(134, 82, 117)` looks like.

```
.text, #text, p{  
    color:rgb(134, 82, 117)  
}
```

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(134, 82, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 82, 117) }
```

Border

The CSS property to change the border of an element to Yxy 12.3873, 0.3430, 0.2646 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(134, 82, 117) }
```

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

```
.border{ border-color:rgb(134, 82, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 82, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 82, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 82, 117);  
box-shadow:4px 4px 4px 4px rgb(134, 82,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3873, 0.3430, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 82, 117) }
```

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

```
.background{ background-color: rgb(134, 82,  
117) }
```

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