

Converting Colors

$Y_{xy}(12.8033, 0.3600, 0.2667)$

Have a look what the booklet for
Yxy(12.8033, 0.3600, 0.2667)
contains.

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Color

Yxy(12.8148, 0.3611, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	8F5073
RGB	143, 80, 115
RGB Percent	56%, 31%, 45%
CMY	0.4392, 0.6863, 0.5490
CMYK	0.00, 0.44, 0.20, 0.44
HSL	327°, 28%, 44%
HSV	327°, 44%, 56%
XYZ	17.2923, 12.8148, 17.7808
YIQ	102.8270, 26.3130, 24.2410

Conversions

Conversions Part 2

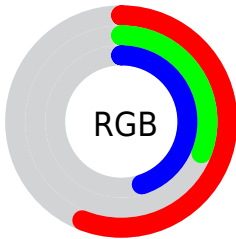
Format	Color
R_{YB}	143, 80, 115
Decimal	9392243
CIE _{Lab}	42.48, 31.24, -8.49
CIE _{LCh}	42, 32.369, 344.802
Yxy	12.8148, 0.3611, 0.2676
Android (android.graphics.Color)	4287582323 (0xFF8F5073)
YUV	102.8270, 6.0013, 35.2317
Hunter-Lab	35.7978, 23.5794, -4.3909

Details

The Yxy color **12.8148, 0.3611, 0.2676** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.4371, 0.2830, 0.4009**, and the grayscale version is **13.4944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0284, 0.3491, 0.2822**, and **3.6624, 0.3841, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **10.7981, 0.3773, 0.2546**, and if you desaturate by 10%, it is **15.2886, 0.3469, 0.2816**.

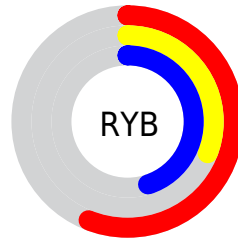
Distribution



Red (56%)

Green (31%)

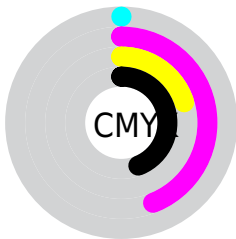
Blue (45%)



Red (56%)

Yellow (31%)

Blue (45%)

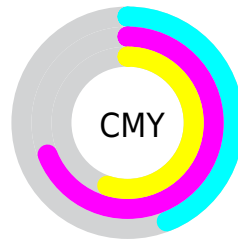


Cyan (0%)

Magenta (44%)

Yellow (20%)

Black (44%)



Cyan (44%)


Magenta (69%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8148, 0.3611, 0.2676 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 12.8148, 0.3611, 0.2676 by changing the saturation by 10% instead.


 12.8148, 0.3611,
0.2676


 12.8148, 0.3611,
0.2676


209.7273, 0.3326,
0.3033


 7.3011, 0.3703,
0.2565


 30.9707, 0.3494,
0.2820


 3.6511, 0.3836,
0.2405

 44.3817, 0.3454,
0.2870

 1.4804, 0.4050,
0.2159

 61.1939, 0.3422,
0.2910

 0.2749, 0.4705,
0.1247

 81.7917, 0.3396,
0.2943

 0.0000, 0.0000,
0.0000

 106.5596, 0.3374,
0.2971

135.8819, 0.3356,

0.2995

170.1430, 0.3340,
0.3015

■ 12.8148, 0.3611,
0.2676

■ 12.8148, 0.3611,
0.2676

■ 10.7981, 0.3773,
0.2546

■ 15.2886, 0.3469,
0.2816

■ 9.2079, 0.3955,
0.2437

■ 18.2438, 0.3348,
0.2960

■ 8.0128, 0.4152,
0.2359


■ 21.7053, 0.3245,
0.3101

■ 7.1761, 0.4358,
0.2323


■ 25.6958, 0.3158,
0.3237

■ 6.6528, 0.4563,
0.2337

■ 30.2363, 0.3086,
0.3365

 6.4116, 0.4688,
0.2356

 35.3470, 0.3026,
0.3484

 41.0468, 0.2975,
0.3595

 47.3540, 0.2934,
0.3696

 54.2858, 0.2899,
0.3790

Harmonies

Analogous

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



12.8148, 0.2902, 0.2354



12.8148, 0.3611, 0.2676



12.8148, 0.4229, 0.3132

Triad

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



12.8148, 0.3611, 0.2676



12.8148, 0.3879, 0.4510



12.8148, 0.1918, 0.2687

Complementary

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



12.8148, 0.3611, 0.2676



22.4371, 0.2830, 0.4009

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.



12.8148, 0.2116, 0.3314



12.8148, 0.3611, 0.2676



12.8148, 0.3226, 0.4512

Square

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



12.8148, 0.3611, 0.2676



12.8148, 0.4360, 0.4153



12.8148, 0.2582, 0.4040



12.8148, 0.1993, 0.2323

Rectangle

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



12.8148, 0.3611, 0.2676



12.8148, 0.4462, 0.3476



12.8148, 0.2582, 0.4040



12.8148, 0.1953, 0.2870

Sweetspot

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



12.8154, 0.3611, 0.2676



39.3917, 0.3237, 0.3112



10.8651, 0.2671, 0.2084



8.7255, 0.3256, 0.3084



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.8154, 0.3611, 0.2676



19.3156, 0.3774, 0.2546



12.2209, 0.4162, 0.3218



5.4711, 0.3200, 0.3168



5.6722, 0.4678, 0.2351



0.0587, 0.3906, 0.1925

Inverse Universe

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



12.8154, 0.3611, 0.2676



19.3156, 0.3774, 0.2546



23.2127, 0.2581, 0.3370



5.4711, 0.3200, 0.3168



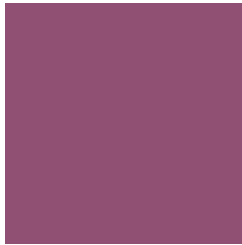
5.6722, 0.4678, 0.2351



0.0587, 0.3906, 0.1925

Previews

White Background



This preview shows how the Yxy color 12.8148, 0.3611, 0.2676 looks on a white background.

Color Contrast Check

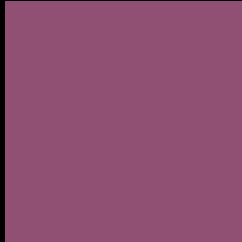
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8148, 0.3611, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

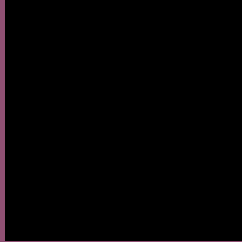
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8148, 0.3611, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 12.8148, 0.3611, 0.2676.



This preview shows how white text looks on a background with the Yxy color 12.8148, 0.3611, 0.2676.

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

12.8148, 0.3611, 0.2676

Protanopia

13.0525, 0.2702, 0.2698

Deuteranopia

12.9085, 0.3040, 0.2991



Tritanopia

12.9151, 0.3973, 0.3183

Trichromacy



Original Color

12.8148, 0.3611, 0.2676

Protanomaly

12.7035, 0.2995, 0.2685

Deuteranomaly

12.5964, 0.3240, 0.2848

Tritanomaly

12.8574, 0.3842, 0.2985

Monochromacy



Original Color

12.8148, 0.3611, 0.2676

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0975, 0.3306, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8148, 0.3611, 0.2676 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(143, 80, 115)` looks like.

```
.text, #text, p{  
    color:rgb(143, 80, 115)  
}
```

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(143, 80, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 80, 115) }
```

Border

The CSS property to change the border of an element to Yxy 12.8148, 0.3611, 0.2676 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(143, 80, 115) }
```

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

```
.border{ border-color:rgb(143, 80, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 80, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 80, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 80, 115); box-shadow:4px 4px 4px 4px rgb(143, 80, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8148, 0.3611, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 80, 115) }
```

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

```
.background{ background-color: rgb(143, 80,  
115) }
```

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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