

Converting Colors

$Y_{xy}(12.0837, 0.3317, 0.2626)$

Have a look what the booklet for
Yxy(12.0837, 0.3317, 0.2626)
contains.

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Color

Yxy(12.0837, 0.3317, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	805376
RGB	128, 83, 118
RGB Percent	50%, 33%, 46%
CMY	0.4981, 0.6745, 0.5372
CMYK	0.00, 0.35, 0.08, 0.50
HSL	313°, 21%, 41%
HSV	313°, 35%, 50%
XYZ	15.2634, 12.0837, 18.6685
YIQ	100.4450, 15.5850, 20.4250

Conversions

Conversions Part 2

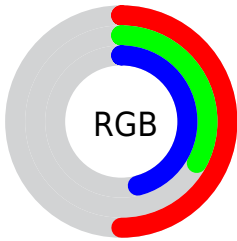
Format	Color
R_{YB}	128, 83, 118
Decimal	8409974
CIE _{Lab}	41.35, 24.58, -12.23
CIE _{LCh}	41, 27.455, 333.545
Yxy	12.0837, 0.3317, 0.2626
Android (android.graphics.Color)	4286600054 (0xFF805376)
YUV	100.4450, 8.6546, 24.1657
Hunter-Lab	34.7616, 17.5442, -7.5082

Details

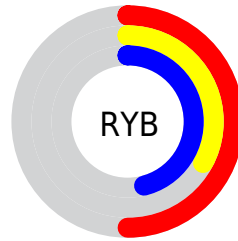
The Yxy color **12.0837, 0.3317, 0.2626** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.0632, 0.2982, 0.4062**, and the grayscale version is **12.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6224, 0.3281, 0.2782**, and **3.3237, 0.3392, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **10.2365, 0.3387, 0.2441**, and if you desaturate by 10%, it is **14.2956, 0.3254, 0.2818**.

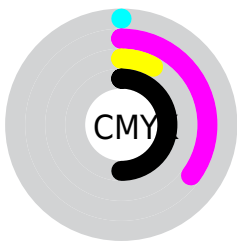
Distribution



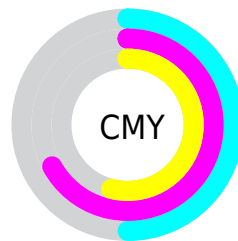
- Red (50%)
- Green (33%)
- Blue (46%)



- Red (50%)
- Yellow (33%)
- Blue (46%)



- Cyan (0%)
- Magenta (35%)
- Yellow (8%)
- Black (50%)





- Cyan (50%)
- Magenta (67%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0837, 0.3317, 0.2626 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 12.0837, 0.3317, 0.2626 by changing the saturation by 10% instead.


 12.0837, 0.3317,
0.2626


 12.0837, 0.3317,
0.2626


204.9586, 0.3209,
0.3013


 6.8007, 0.3349,
0.2505


 29.6475, 0.3274,
0.2783


 3.3378, 0.3393,
0.2331

 42.6970, 0.3259,
0.2837


 1.3105, 0.3457,
0.2061

 59.1042, 0.3247,
0.2880

 0.1493, 0.3885,
0.0782

 79.2534, 0.3237,
0.2916

 0.0000, 0.0000,
0.0000

 103.5291, 0.3229,
0.2946

132.3156, 0.3221,

0.2972

165.9973, 0.3215,
0.2994

■ 12.0837, 0.3317,
0.2626

■ 12.0837, 0.3317,
0.2626

■ 10.2365, 0.3387,
0.2441

■ 14.2956, 0.3254,
0.2818

■ 8.7324, 0.3464,
0.2270

■ 16.8889, 0.3198,
0.3010

■ 7.5501, 0.3546,
0.2123


■ 19.8815, 0.3149,
0.3197


■ 6.6652, 0.3631,
0.2009


■ 23.2893, 0.3108,
0.3376


■ 6.0498, 0.3716,
0.1935

■ 27.1276, 0.3072,
0.3544

 5.6618, 0.3800,
0.1901

 31.4109, 0.3042,
0.3701

 5.4999, 0.3841,
0.1890

 36.1530, 0.3016,
0.3847

 41.3670, 0.2994,
0.3981

 47.0656, 0.2976,
0.4103

Harmonies

Analogous

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



12.0837, 0.2726, 0.2398



12.0837, 0.3317, 0.2626



12.0837, 0.3905, 0.2997

Triad

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



12.0837, 0.3317, 0.2626



12.0837, 0.3975, 0.4269



12.0837, 0.2101, 0.2958

Complementary

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



12.0837, 0.3317, 0.2626



18.0632, 0.2982, 0.4062

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.



12.0837, 0.2374, 0.3554



12.0837, 0.3317, 0.2626



12.0837, 0.3447, 0.4385

Square

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



12.0837, 0.3317, 0.2626



12.0837, 0.4291, 0.3905



12.0837, 0.2860, 0.4121



12.0837, 0.2074, 0.2541

Rectangle

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



12.0837, 0.3317, 0.2626



12.0837, 0.4187, 0.3293



12.0837, 0.2860, 0.4121



12.0837, 0.2165, 0.3143

Sweetspot

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



12.0842, 0.3317, 0.2626



31.7069, 0.3178, 0.3083



10.0608, 0.2651, 0.2324



7.2895, 0.3184, 0.3062



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.0842, 0.3317, 0.2626



18.6822, 0.3372, 0.2480



11.6161, 0.3688, 0.3040



4.3966, 0.3168, 0.3124



5.4554, 0.3841, 0.1890



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0842, 0.3317, 0.2626



18.6822, 0.3372, 0.2480



18.5164, 0.2767, 0.3560



4.3966, 0.3168, 0.3124



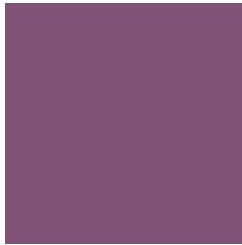
5.4554, 0.3841, 0.1890



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.0837, 0.3317, 0.2626 looks on a white background.

Color Contrast Check

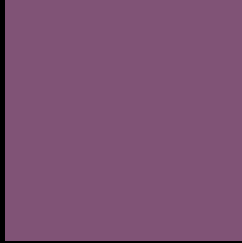
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0837, 0.3317, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

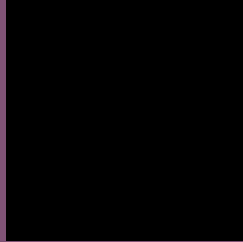
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0837, 0.3317, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 12.0837, 0.3317, 0.2626.



This preview shows how white text looks on a background with the Yxy color 12.0837, 0.3317, 0.2626.

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

12.0837, 0.3317, 0.2626

Protanopia

12.2816, 0.2646, 0.2624

Deuteranopia

12.2793, 0.2903, 0.2856



Tritanopia

12.1476, 0.3646, 0.3171

Trichromacy



Original Color

12.0837, 0.3317, 0.2626

Protanomaly

12.0526, 0.2868, 0.2624

Deuteranomaly

12.0815, 0.3047, 0.2751

Tritanomaly

12.0705, 0.3520, 0.2955

Monochromacy



Original Color

12.0837, 0.3317, 0.2626

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3819, 0.3186, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0837, 0.3317, 0.2626 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(128, 83, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 83, 118)  
}
```

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(128, 83, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 83, 118) }
```

Border

The CSS property to change the border of an element to Yxy 12.0837, 0.3317, 0.2626 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(128, 83, 118) }
```

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

```
.border{ border-color:rgb(128, 83, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 83, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 83, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 83, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 83,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0837, 0.3317, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 83, 118) }
```

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

```
.background{ background-color: rgb(128, 83,  
118) }
```

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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