

Converting Colors

$Y_{xy}(12.4870, 0.3222, 0.2691)$

Have a look what the booklet for
Yxy(12.4870, 0.3222, 0.2691)
contains.

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Color

Yxy(12.5223, 0.3217, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	7B5877
RGB	123, 88, 119
RGB Percent	48%, 35%, 47%
CMY	0.5177, 0.6549, 0.5334
CMYK	0.00, 0.28, 0.03, 0.52
HSL	307°, 17%, 41%
HSV	307°, 28%, 48%
XYZ	14.9867, 12.5223, 19.0769
YIQ	101.9990, 10.9090, 17.0610

Conversions

Conversions Part 2

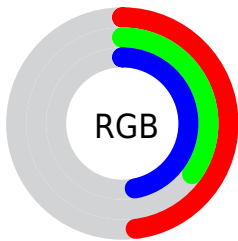
Format	Color
R_{YB}	123, 88, 119
Decimal	8083575
CIE _{Lab}	42.03, 19.97, -11.85
CIE _{LCh}	42, 23.225, 329.312
Yxy	12.5223, 0.3217, 0.2688
Android (android.graphics.Color)	4286273655 (0xFF7B5877)
YUV	101.9990, 8.3815, 18.4179
Hunter-Lab	35.3869, 13.6696, -7.1922

Details

The Yxy color **12.5223, 0.3217, 0.2688** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.0124, 0.3048, 0.3977**, and the grayscale version is **13.2625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3473, 0.3202, 0.2829**, and **3.5667, 0.3246, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **10.6374, 0.3255, 0.2477**, and if you desaturate by 10%, it is **14.7496, 0.3182, 0.2903**.

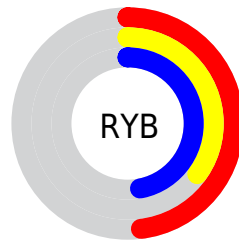
Distribution



Red (48%)

Green (35%)

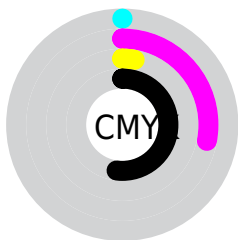
Blue (47%)



Red (48%)

Yellow (35%)

Blue (47%)

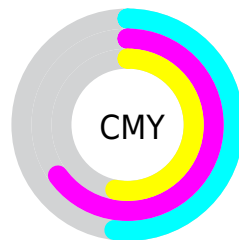


Cyan (0%)

Magenta (28%)

Yellow (3%)

Black (52%)



Cyan (52%)


Magenta (65%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5223, 0.3217, 0.2688 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 12.5223, 0.3217, 0.2688 by changing the saturation by 10% instead.


 12.5223, 0.3217,
0.2688


 12.5223, 0.3217,
0.2688


207.8330, 0.3169,
0.3039


 7.1004, 0.3230,
0.2578


 30.4429, 0.3199,
0.2831


 3.5250, 0.3246,
0.2419

 43.7104, 0.3192,
0.2879

 1.4116, 0.3265,
0.2171

 60.3618, 0.3187,
0.2919

 0.2252, 0.3499,
0.1123

 80.7817, 0.3182,
0.2951

 0.0000, 0.0000,
0.0000

 105.3544, 0.3178,
0.2979

134.4642, 0.3174,

0.3002

168.4956, 0.3171,
0.3022

■ 12.5223, 0.3217,
0.2688

■ 12.5223, 0.3217,
0.2688

■ 10.6374, 0.3255,
0.2477

■ 14.7496, 0.3182,
0.2903

■ 9.0760, 0.3296,
0.2278

■ 17.3334, 0.3151,
0.3116

■ 7.8202, 0.3338,
0.2099

■ 20.2892, 0.3123,
0.3321

■ 6.8495, 0.3381,
0.1948

■ 23.6311, 0.3099,
0.3517

■ 6.1410, 0.3423,
0.1833

■ 27.3724, 0.3077,
0.3701

■ 5.6681, 0.3464,
0.1757

■ 31.5257, 0.3059,
0.3871

■ 5.3592, 0.3503,
0.1713

■ 36.1032, 0.3043,
0.4028

■ 5.3130, 0.3509,
0.1707

■ 41.1166, 0.3030,
0.4172

■ 46.5768, 0.3018,
0.4304

Harmonies

Analogous

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



12.5223, 0.2730, 0.2513



12.5223, 0.3217, 0.2688



12.5223, 0.3716, 0.2995

Triad

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



12.5223, 0.3217, 0.2688



12.5223, 0.3898, 0.4087



12.5223, 0.2276, 0.3085

Complementary

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



12.5223, 0.3217, 0.2688



17.0124, 0.3048, 0.3977

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.



12.5223, 0.2544, 0.3585



12.5223, 0.3217, 0.2688



12.5223, 0.3475, 0.4203

Square

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



12.5223, 0.3217, 0.2688



12.5223, 0.4120, 0.3773



12.5223, 0.2978, 0.4022



12.5223, 0.2220, 0.2702

Rectangle

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



12.5223, 0.3217, 0.2688



12.5223, 0.3971, 0.3247



12.5223, 0.2978, 0.4022



12.5223, 0.2343, 0.3245

Sweetspot

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



12.5229, 0.3217, 0.2688



30.6607, 0.3153, 0.3099



10.6605, 0.2703, 0.2521



7.0795, 0.3157, 0.3073



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.5229, 0.3217, 0.2688



20.2013, 0.3241, 0.2552



12.1505, 0.3481, 0.3009



4.0700, 0.3153, 0.3103



5.4963, 0.3509, 0.1707



26.1379, 0.3527, 0.1717

Inverse Universe

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



12.5229, 0.3217, 0.2688



20.2013, 0.3241, 0.2552



17.3436, 0.2871, 0.3591



4.0700, 0.3153, 0.3103



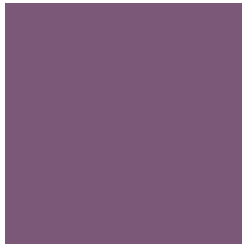
5.4963, 0.3509, 0.1707



26.1379, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 12.5223, 0.3217, 0.2688 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 12.5223, 0.3217, 0.2688 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 12.5223, 0.3217, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 12.5223, 0.3217, 0.2688.



This preview shows how white text looks on a background with the Yxy color 12.5223, 0.3217, 0.2688.

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

12.5223, 0.3217, 0.2688

Protanopia

12.5170, 0.2695, 0.2689

Deuteranopia

12.5431, 0.2905, 0.2860



Tritanopia

12.5482, 0.3467, 0.3147

Trichromacy



Original Color

12.5223, 0.3217, 0.2688

Protanomaly

12.3190, 0.2869, 0.2683

Deuteranomaly

12.5016, 0.3004, 0.2790

Tritanomaly

12.5877, 0.3377, 0.2988

Monochromacy



Original Color

12.5223, 0.3217, 0.2688

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9471, 0.3168, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5223, 0.3217, 0.2688 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(123, 88, 119)` looks like.

```
.text, #text, p{  
    color:rgb(123, 88, 119)  
}
```

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(123, 88, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 88, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.5223, 0.3217, 0.2688 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(123, 88, 119) }
```

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

```
.border{ border-color:rgb(123, 88, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 88, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 88, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 88, 119); box-shadow:4px 4px 4px 4px rgb(123, 88, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5223, 0.3217, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 88, 119) }
```

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

```
.background{ background-color: rgb(123, 88,  
119) }
```

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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