

Converting Colors

$Y_{xy}(13.3976, 0.3209, 0.2661)$

Have a look what the booklet for
Yxy(13.3976, 0.3209, 0.2661)
contains.

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Color

Yxy(13.2796, 0.3202, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	7F5A7C
RGB	127, 90, 124
RGB Percent	50%, 35%, 49%
CMY	0.5020, 0.6470, 0.5137
CMYK	0.00, 0.29, 0.02, 0.50
HSL	305°, 17%, 43%
HSV	305°, 29%, 50%
XYZ	16.0458, 13.2796, 20.7863
YIQ	104.9390, 11.1380, 18.4180

Conversions

Conversions Part 2

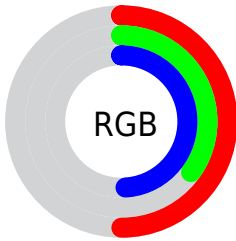
Format	Color
RYB	127, 90, 124
Decimal	8346236
CIELab	43.18, 21.25, -13.12
CIELCh	43, 24.973, 328.299
Yxy	13.2796, 0.3202, 0.2650
Android (android.graphics.Color)	4286536316 (0xFF7F5A7C)
YUV	104.9390, 9.3971, 19.3475
Hunter-Lab	36.4412, 14.8250, -8.3106

Details

The Yxy color **13.2796, 0.3202, 0.2650** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.1411, 0.3059, 0.4027**, and the grayscale version is **14.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9274, 0.3181, 0.2799**, and **3.8135, 0.3221, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **11.2917, 0.3232, 0.2433**, and if you desaturate by 10%, it is **15.6350, 0.3174, 0.2873**.

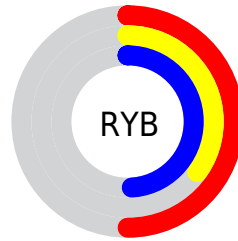
Distribution



Red (50%)

Green (35%)

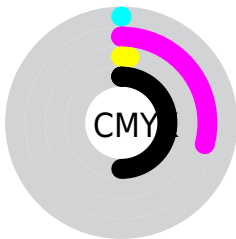
Blue (49%)



Red (50%)

Yellow (35%)

Blue (49%)

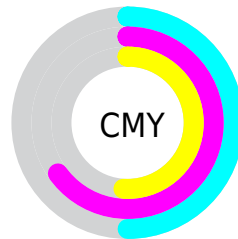


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (50%)



Cyan (50%)


Magenta (65%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2796, 0.3202, 0.2650 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 13.2796, 0.3202, 0.2650 by changing the saturation by 10% instead.


 13.2796, 0.3202,
0.2650

 13.2796, 0.3202,
0.2650


212.7019, 0.3164,
0.3019

 7.6214, 0.3211,
0.2536


 31.8052, 0.3188,
0.2799


 3.8536, 0.3221,
0.2375

 45.4413, 0.3183,
0.2850


 1.5920, 0.3230,
0.2127

 62.5056, 0.3179,
0.2891

 0.3522, 0.3350,
0.1383

 83.3823, 0.3175,
0.2926

 0.0000, 0.0000,
0.0000

 108.4559, 0.3171,
0.2955

138.1108, 0.3169,

0.2979

172.7313, 0.3166,
0.3001

■ 13.2796, 0.3202,
0.2650

■ 13.2796, 0.3202,
0.2650

■ 11.2917, 0.3232,
0.2433

■ 15.6350, 0.3174,
0.2873

■ 9.6510, 0.3264,
0.2229

■ 18.3734, 0.3148,
0.3094

■ 8.3378, 0.3296,
0.2047

■ 21.5116, 0.3125,
0.3308

■ 7.3297, 0.3328,
0.1896

■ 25.0648, 0.3105,
0.3513

■ 6.6017, 0.3358,
0.1780

■ 29.0476, 0.3087,
0.3705

6.1246, 0.3387,
0.1705

33.4737, 0.3071,
0.3884

5.8155, 0.3414,
0.1660

38.3562, 0.3057,
0.4049

5.7892, 0.3416,
0.1656

43.7077, 0.3045,
0.4200

49.5403, 0.3035,
0.4337

Harmonies

Analogous

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



13.2796, 0.2693, 0.2473



13.2796, 0.3202, 0.2650



13.2796, 0.3732, 0.2967

Triad

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



13.2796, 0.3202, 0.2650



13.2796, 0.3949, 0.4119



13.2796, 0.2239, 0.3088

Complementary

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



13.2796, 0.3202, 0.2650



18.1411, 0.3059, 0.4027

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.



13.2796, 0.2526, 0.3619



13.2796, 0.3202, 0.2650



13.2796, 0.3507, 0.4256

Square

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



13.2796, 0.3202, 0.2650



13.2796, 0.4177, 0.3780



13.2796, 0.2985, 0.4077



13.2796, 0.2174, 0.2680

Rectangle

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



13.2796, 0.3202, 0.2650



13.2796, 0.4006, 0.3228



13.2796, 0.2985, 0.4077



13.2796, 0.2311, 0.3258

Sweetspot

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



13.2802, 0.3202, 0.2650



32.8593, 0.3149, 0.3092



11.1453, 0.2673, 0.2494



7.5402, 0.3152, 0.3064



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.



13.2802, 0.3202, 0.2650



21.3251, 0.3222, 0.2503



12.8662, 0.3474, 0.2977



4.4066, 0.3148, 0.3094



5.8392, 0.3416, 0.1656



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2802, 0.3202, 0.2650



21.3251, 0.3222, 0.2503



18.4978, 0.2877, 0.3627



4.4066, 0.3148, 0.3094



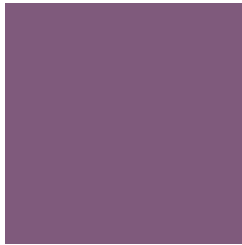
5.8392, 0.3416, 0.1656



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.2796, 0.3202, 0.2650 looks on a white background.

Color Contrast Check

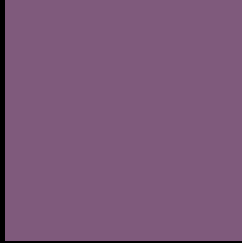
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2796, 0.3202, 0.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

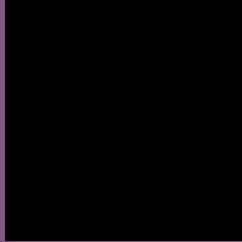
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2796, 0.3202, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 13.2796, 0.3202, 0.2650.



This preview shows how white text looks on a background with the Yxy color 13.2796, 0.3202, 0.2650.

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

13.2796, 0.3202, 0.2650

Protanopia

13.3530, 0.2661, 0.2645

Deuteranopia

13.3443, 0.2873, 0.2829



Tritanopia

13.2498, 0.3477, 0.3131

Trichromacy



Original Color

13.2796, 0.3202, 0.2650

Protanomaly

13.1985, 0.2839, 0.2642

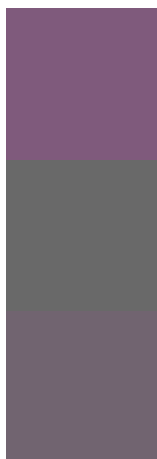
Deuteranomaly

13.1753, 0.2981, 0.2744

Tritanomaly

13.3145, 0.3373, 0.2957

Monochromacy



Original Color

13.2796, 0.3202, 0.2650

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7949, 0.3153, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2796, 0.3202, 0.2650 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(127, 90, 124)` looks like.

```
.text, #text, p{  
    color:rgb(127, 90, 124)  
}
```

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(127, 90, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 90, 124) }
```

Border

The CSS property to change the border of an element to Yxy 13.2796, 0.3202, 0.2650 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(127, 90, 124) }
```

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

```
.border{ border-color:rgb(127, 90, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 90, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 90, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 90, 124);  
box-shadow:4px 4px 4px 4px rgb(127, 90,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2796, 0.3202, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 90, 124) }
```

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

```
.background{ background-color: rgb(127, 90,  
124) }
```

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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