

Converting Colors

$Y_{xy}(13.2965, 0.3126, 0.2724)$

Have a look what the booklet for
Yxy(13.2965, 0.3126, 0.2724)
contains.

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Color

Yxy(13.2269, 0.3124, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	785D7A
RGB	120, 93, 122
RGB Percent	47%, 36%, 48%
CMY	0.5295, 0.6352, 0.5216
CMYK	0.02, 0.24, 0.00, 0.52
HSL	296°, 13%, 42%
HSV	296°, 24%, 48%
XYZ	15.1692, 13.2269, 20.1608
YIQ	104.3790, 6.7830, 14.7430

Conversions

Conversions Part 2

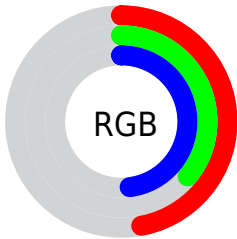
Format	Color
R_{YB}	120, 93, 122
Decimal	7888250
CIE Lab	43.10, 16.46, -12.09
CIE LCh	43, 20.423, 323.697
Yxy	13.2269, 0.3124, 0.2724
Android (android.graphics.Color)	4286078330 (0xFF785D7A)
YUV	104.3790, 8.6872, 13.6996
Hunter-Lab	36.3688, 10.8057, -7.4089

Details

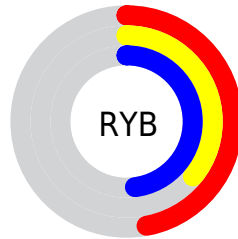
The Yxy color **13.2269, 0.3124, 0.2724** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.1405, 0.3122, 0.3918**, and the grayscale version is **13.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8867, 0.3137, 0.2870**, and **3.8537, 0.3115, 0.2492** is the 20% darker color. If you saturate the color by 10%, you get **11.1934, 0.3120, 0.2483**, and if you desaturate by 10%, it is **15.6038, 0.3126, 0.2966**.

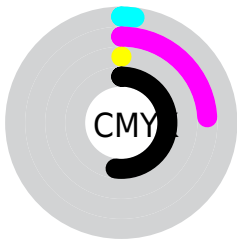
Distribution



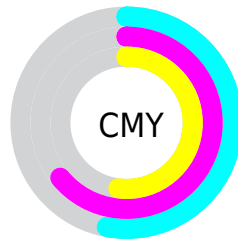
- Red (47%)
- Green (36%)
- Blue (48%)



- Red (47%)
- Yellow (36%)
- Blue (48%)



- Cyan (2%)
- Magenta (24%)
- Yellow (0%)
- Black (52%)





- Cyan (53%)
- Magenta (64%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2269, 0.3124, 0.2724 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 13.2269, 0.3124, 0.2724 by changing the saturation by 10% instead.


 13.2269, 0.3124,
0.2724


 13.2269, 0.3124,
0.2724


212.3668, 0.3131,
0.3053


 7.5850, 0.3119,
0.2621


 31.7108, 0.3128,
0.2857


 3.8306, 0.3109,
0.2473

 45.3216, 0.3129,
0.2903

 1.5792, 0.3087,
0.2244

 62.3575, 0.3130,
0.2940

 0.3435, 0.3147,
0.1484

 83.2028, 0.3130,
0.2971

 0.0000, 0.0000,
0.0000

108.2420, 0.3131,
0.2996

137.8595, 0.3131,

0.3018

172.4396, 0.3131,
0.3037

■ 13.2269, 0.3124,
0.2724

■ 13.2269, 0.3124,
0.2724

■ 11.1934, 0.3120,
0.2483

■ 15.6038, 0.3126,
0.2966

■ 9.4853, 0.3113,
0.2250

■ 18.3373, 0.3127,
0.3204

■ 8.0858, 0.3105,
0.2034

■ 21.4423, 0.3127,
0.3431

■ 6.9757, 0.3094,
0.1845

■ 24.9322, 0.3125,
0.3645

■ 6.1339, 0.3082,
0.1688

■ 28.8198, 0.3123,
0.3844

■ 5.5361, 0.3067,
0.1570

■ 33.1171, 0.3120,
0.4028

■ 5.1503, 0.3052,
0.1491

■ 37.8359, 0.3117,
0.4196

■ 4.9493, 0.3042,
0.1449

■ 42.9873, 0.3113,
0.4349

■ 48.5821, 0.3110,
0.4488

Harmonies

Analogous

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



13.2269, 0.2715, 0.2597



13.2269, 0.3124, 0.2724



13.2269, 0.3562, 0.2977

Triad

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



13.2269, 0.3124, 0.2724



13.2269, 0.3849, 0.3945



13.2269, 0.2416, 0.3195

Complementary

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



13.2269, 0.3124, 0.2724



17.1405, 0.3122, 0.3918

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.



13.2269, 0.2685, 0.3624



13.2269, 0.3124, 0.2724



13.2269, 0.3510, 0.4075

Square

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



13.2269, 0.3124, 0.2724



13.2269, 0.3995, 0.3657



13.2269, 0.3083, 0.3963



13.2269, 0.2329, 0.2835

Rectangle

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



13.2269, 0.3124, 0.2724



13.2269, 0.3801, 0.3194



13.2269, 0.3083, 0.3963



13.2269, 0.2487, 0.3337

Sweetspot

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



13.2275, 0.3124, 0.2724



30.5512, 0.3127, 0.3123



11.9950, 0.2749, 0.2712



6.9400, 0.3127, 0.3114



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.2275, 0.3124, 0.2724



21.4397, 0.3122, 0.2605



13.0921, 0.3328, 0.2954



4.0640, 0.3127, 0.3078



5.2107, 0.3041, 0.1449



24.7032, 0.3032, 0.1444

Inverse Universe

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



12.7949, 0.3558, 0.3250



20.5582, 0.3678, 0.3241



17.2651, 0.2967, 0.3652



4.0191, 0.3267, 0.3275



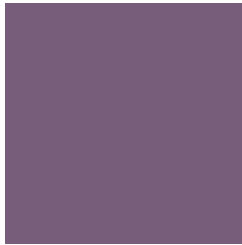
4.3752, 0.6286, 0.3236



20.8218, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 13.2269, 0.3124, 0.2724 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 13.2269, 0.3124, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

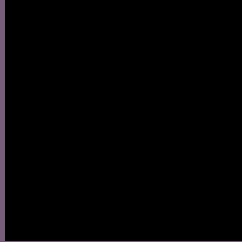
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2269, 0.3124, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 13.2269, 0.3124, 0.2724.



This preview shows how white text looks on a background with the Yxy color 13.2269, 0.3124, 0.2724.

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

13.2269, 0.3124, 0.2724

Protanopia

13.3265, 0.2739, 0.2743

Deuteranopia

13.3784, 0.2898, 0.2850



Tritanopia

13.1471, 0.3333, 0.3126

Trichromacy



Original Color

13.2269, 0.3124, 0.2724

Protanomaly

13.2193, 0.2875, 0.2735

Deuteranomaly

13.1811, 0.2979, 0.2798

Tritanomaly

13.1837, 0.3248, 0.2967

Monochromacy



Original Color

13.2269, 0.3124, 0.2724

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5770, 0.3124, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2269, 0.3124, 0.2724 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(120, 93, 122)` looks like.

```
.text, #text, p{  
    color:rgb(120, 93, 122)  
}
```

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(120, 93, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 93, 122) }
```

Border

The CSS property to change the border of an element to Yxy 13.2269, 0.3124, 0.2724 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(120, 93, 122) }
```

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

```
.border{ border-color:rgb(120, 93, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 93, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 93, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 93, 122);  
box-shadow:4px 4px 4px 4px rgb(120, 93,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2269, 0.3124, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 93, 122) }
```

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

```
.background{ background-color: rgb(120, 93,  
122) }
```

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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