

Converting Colors

$Y_{xy}(13.2593, 0.3017, 0.2264)$

Have a look what the booklet for
Yxy(13.2593, 0.3017, 0.2264)
contains.

Yxy(13.2294, 0.3017, 0.2262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2294, 0.3017, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	84548F
RGB	132, 84, 143
RGB Percent	52%, 33%, 56%
CMY	0.4823, 0.6706, 0.4392
CMYK	0.08, 0.41, 0.00, 0.44
HSL	289°, 26%, 45%
HSV	289°, 41%, 56%
XYZ	17.6450, 13.2294, 27.6110
YIQ	105.0780, 9.6690, 28.5250

Conversions

Conversions Part 2

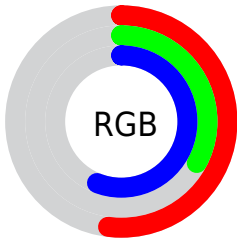
Format	Color
R_{YB}	132, 84, 143
Decimal	8672399
CIE _{Lab}	43.11, 30.46, -24.68
CIE _{LCh}	43, 39.206, 320.982
Yxy	13.2294, 0.3017, 0.2262
Android (android.graphics.Color)	4286862479 (0xFF84548F)
YUV	105.0780, 18.6955, 23.6106
Hunter-Lab	36.3722, 22.9432, -19.5478

Details

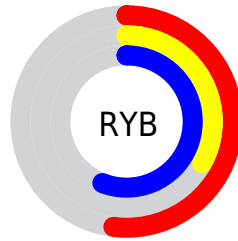
The Yxy color **13.2294, 0.3017, 0.2262** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.7182, 0.3179, 0.4474**, and the grayscale version is **14.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7983, 0.3053, 0.2490**, and **3.8452, 0.2937, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **11.0201, 0.2978, 0.2022**, and if you desaturate by 10%, it is **15.8985, 0.3051, 0.2514**.

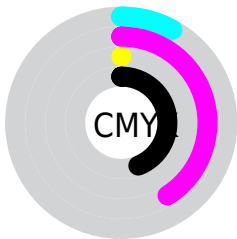
Distribution



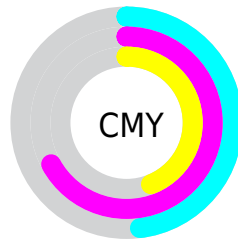
- Red (52%)
- Green (33%)
- Blue (56%)



- Red (52%)
- Yellow (33%)
- Blue (56%)



- Cyan (8%)
- Magenta (41%)
- Yellow (0%)
- Black (44%)




- Cyan (48%)
- Magenta (67%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2294, 0.3017, 0.2262 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 13.2294, 0.3017, 0.2262 by changing the saturation by 10% instead.


 13.2294, 0.3017,
0.2262


 13.2294, 0.3017,
0.2262


212.3827, 0.3098,
0.2836


 7.5867, 0.2984,
0.2097


 31.7153, 0.3055,
0.2486


 3.8316, 0.2930,
0.1873


 45.3273, 0.3066,
0.2566

 1.5798, 0.2833,
0.1553

 62.3645, 0.3075,
0.2631

 0.3440, 0.2702,
0.0851

 83.2113, 0.3081,
0.2686

 0.0000, 0.0200,
0.0000

 108.2522, 0.3087,
0.2732

 0.0000, 0.0000,
0.0000

137.8714, 0.3091,

0.2772

172.4534, 0.3095,
0.2806

■ 13.2294, 0.3017,
0.2262

■ 13.2294, 0.3017,
0.2262

■ 11.0201, 0.2978,
0.2022

■ 15.8985, 0.3051,
0.2514

■ 9.2411, 0.2935,
0.1803

■ 19.0512, 0.3080,
0.2769

■ 7.8622, 0.2889,
0.1615

■ 22.7117, 0.3105,
0.3020

■ 6.8483, 0.2841,
0.1465

■ 26.9019, 0.3125,
0.3261

■ 6.1583, 0.2793,
0.1359

■ 31.6426, 0.3141,
0.3487

■ 5.7209, 0.2751,
0.1289

■ 36.9533, 0.3153,
0.3698

■ 42.8528, 0.3163,
0.3892

■ 49.3588, 0.3169,
0.4069

■ 56.4883, 0.3174,
0.4230

Harmonies

Analogous

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



13.2294, 0.2302, 0.2062



13.2294, 0.3017, 0.2262



13.2294, 0.3874, 0.2666

Triad

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



13.2294, 0.3017, 0.2262



13.2294, 0.4477, 0.4385



13.2294, 0.1865, 0.3125

Complementary

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



13.2294, 0.3017, 0.2262



22.7182, 0.3179, 0.4474

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.



13.2294, 0.2334, 0.4027



13.2294, 0.3017, 0.2262



13.2294, 0.3840, 0.4788

Square

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



13.2294, 0.3017, 0.2262



13.2294, 0.4770, 0.3803



13.2294, 0.3056, 0.4711



13.2294, 0.1713, 0.2447

Rectangle

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



13.2294, 0.3017, 0.2262



13.2294, 0.4371, 0.3016



13.2294, 0.3056, 0.4711



13.2294, 0.1986, 0.3416

Sweetspot

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



13.2300, 0.3017, 0.2262



39.9789, 0.3103, 0.2996



12.1972, 0.2427, 0.2317



8.9899, 0.3100, 0.2968



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.



13.2300, 0.3017, 0.2262



19.8073, 0.2979, 0.2026



13.6687, 0.3433, 0.2576



5.4610, 0.3109, 0.3071



5.0665, 0.2753, 0.1290



0.0569, 0.2987, 0.1419

Inverse Universe

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



13.0064, 0.3941, 0.3094



19.4347, 0.4247, 0.3052



22.4838, 0.2919, 0.4137



5.4395, 0.3254, 0.3249



5.2343, 0.6056, 0.3110



0.0525, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 13.2294, 0.3017, 0.2262 looks on a white background.

Color Contrast Check

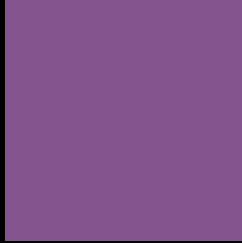
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2294, 0.3017, 0.2262 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 13.2294, 0.3017, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 13.2294, 0.3017, 0.2262.



This preview shows how white text looks on a background with the Yxy color 13.2294, 0.3017, 0.2262.

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

13.2294, 0.3017, 0.2262

Protanopia

13.3085, 0.2315, 0.2195

Deuteranopia

13.4250, 0.2546, 0.2495



Tritanopia

13.1844, 0.3543, 0.3152

Trichromacy



Original Color

13.2294, 0.3017, 0.2262

Protanomaly

12.9491, 0.2525, 0.2203

Deuteranomaly

13.1717, 0.2700, 0.2396

Tritanomaly

13.1625, 0.3335, 0.2794

Monochromacy



Original Color

13.2294, 0.3017, 0.2262

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.5261, 0.3090, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2294, 0.3017, 0.2262 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(132, 84, 143)` looks like.

```
.text, #text, p{  
    color:rgb(132, 84, 143)  
}
```

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(132, 84, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 84, 143) }
```

Border

The CSS property to change the border of an element to Yxy 13.2294, 0.3017, 0.2262 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(132, 84, 143) }
```

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

```
.border{ border-color:rgb(132, 84, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 84, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 84, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 84, 143);  
box-shadow:4px 4px 4px 4px rgb(132, 84,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2294, 0.3017, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 84, 143) }
```

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

```
.background{ background-color: rgb(132, 84,  
143) }
```

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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