

Converting Colors

$Y_{xy}(13.2260, 0.3799, 0.2675)$

Have a look what the booklet for
Yxy(13.2260, 0.3799, 0.2675)
contains.

Yxy(13.2950, 0.3795, 0.2680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2950, 0.3795, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	994D72
RGB	153, 77, 114
RGB Percent	60%, 30%, 45%
CMY	0.4000, 0.6980, 0.5530
CMYK	0.00, 0.50, 0.26, 0.40
HSL	331°, 33%, 45%
HSV	331°, 50%, 60%
XYZ	18.8263, 13.2950, 17.4869
YIQ	103.9420, 33.4190, 27.6190

Conversions

Conversions Part 2

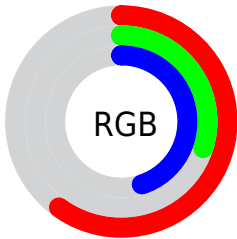
Format	Color
R_{YB}	153, 77, 114
Decimal	10046834
CIE Lab	43.20, 36.27, -6.64
CIE LCh	43, 36.871, 349.631
Yxy	13.2950, 0.3795, 0.2680
Android (android.graphics.Color)	4288236914 (0xFF994D72)
YUV	103.9420, 4.9586, 43.0239
Hunter-Lab	36.4623, 28.3545, -2.9112

Details

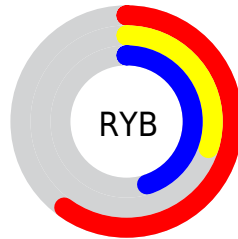
The Yxy color **13.2950, 0.3795, 0.2680** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **25.6208, 0.2761, 0.4017**, and the grayscale version is **13.8075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7468, 0.3629, 0.2817**, and **3.8299, 0.4101, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **11.2290, 0.4003, 0.2576**, and if you desaturate by 10%, it is **15.8812, 0.3613, 0.2800**.

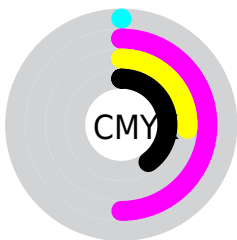
Distribution



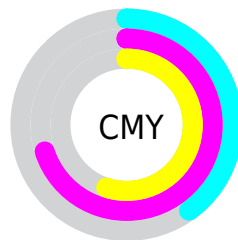
- Red (60%)
- Green (30%)
- Blue (45%)



- Red (60%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (50%)
- Yellow (26%)
- Black (40%)




- Cyan (40%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2950, 0.3795, 0.2680 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 13.2950, 0.3795, 0.2680 by changing the saturation by 10% instead.


 13.2950, 0.3795,
0.2680


 13.2950, 0.3795,
0.2680

212.7997, 0.3400,
0.3034


 7.6320, 0.3922,
0.2570


 31.8328, 0.3633,
0.2823

 3.8604, 0.4109,
0.2412

 45.4763, 0.3578,
0.2872


 1.5958, 0.4407,
0.2169

 62.5488, 0.3534,
0.2912

 0.3547, 0.5157,
0.1426

 83.4347, 0.3497,
0.2945

 0.0000, 1.0000,
0.0000

 108.5183, 0.3467,
0.2973

 0.0000, 0.0000,
0.0000

138.1841, 0.3441,

0.2996

172.8164, 0.3419,
0.3016

■ 13.2950, 0.3795,
0.2680

■ 13.2950, 0.3795,
0.2680

■ 11.2290, 0.4003,
0.2576

■ 15.8812, 0.3613,
0.2800

■ 9.6451, 0.4233,
0.2498

■ 19.0185, 0.3457,
0.2927

■ 8.5029, 0.4479,
0.2459


■ 22.7374, 0.3326,
0.3054

■ 7.7546, 0.4730,
0.2468

■ 27.0659, 0.3216,
0.3177


■ 7.2869, 0.4977,
0.2518


■ 32.0299, 0.3124,
0.3294

 7.2721, 0.4985,
0.2520

 37.6540, 0.3049,
0.3403

 43.9614, 0.2986,
0.3504

 50.9741, 0.2934,
0.3597

 58.7133, 0.2891,
0.3683

Harmonies

Analogous

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



13.2950, 0.2992, 0.2301



13.2950, 0.3795, 0.2680



13.2950, 0.4449, 0.3193

Triad

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



13.2950, 0.3795, 0.2680



13.2950, 0.3841, 0.4692



13.2950, 0.1785, 0.2522

Complementary

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



13.2950, 0.3795, 0.2680



25.6208, 0.2761, 0.4017

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.



13.2950, 0.1947, 0.3177



13.2950, 0.3795, 0.2680



13.2950, 0.3102, 0.4631

Square

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



13.2950, 0.3795, 0.2680



13.2950, 0.4428, 0.4313



13.2950, 0.2410, 0.4016



13.2950, 0.1914, 0.2179

Rectangle

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



13.2950, 0.3795, 0.2680



13.2950, 0.4657, 0.3571



13.2950, 0.2410, 0.4016



13.2950, 0.1805, 0.2706

Sweetspot

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



13.2957, 0.3795, 0.2680



43.9717, 0.3275, 0.3108



11.2542, 0.2658, 0.1933



9.3874, 0.3297, 0.3084



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.2957, 0.3795, 0.2680



19.6255, 0.4037, 0.2562



12.6172, 0.4472, 0.3294



6.2703, 0.3211, 0.3182



6.0174, 0.4969, 0.2511



0.0973, 0.4089, 0.2026

Inverse Universe

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



13.2957, 0.3795, 0.2680



19.6255, 0.4037, 0.2562



26.6589, 0.2492, 0.3288



6.2703, 0.3211, 0.3182



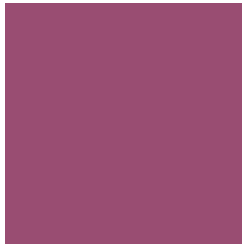
6.0174, 0.4969, 0.2511



0.0973, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 13.2950, 0.3795, 0.2680 looks on a white background.

Color Contrast Check

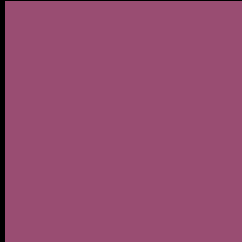
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2950, 0.3795, 0.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

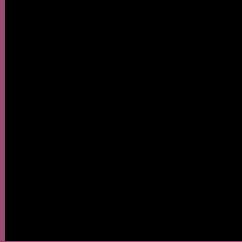
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2950, 0.3795, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 13.2950, 0.3795, 0.2680.



This preview shows how white text looks on a background with the Yxy color 13.2950, 0.3795, 0.2680.

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

13.2950, 0.3795, 0.2680

Protanopia

13.5473, 0.2696, 0.2706

Deuteranopia

13.4913, 0.3123, 0.3080



Tritanopia

13.3185, 0.4203, 0.3191

Trichromacy



Original Color

13.2950, 0.3795, 0.2680

Protanomaly

12.9969, 0.3039, 0.2677

Deuteranomaly

13.1620, 0.3360, 0.2919

Tritanomaly

13.2758, 0.4069, 0.3005

Monochromacy



Original Color

13.2950, 0.3795, 0.2680

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2257, 0.3355, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2950, 0.3795, 0.2680 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(153, 77, 114)` looks like.

```
.text, #text, p{  
    color:rgb(153, 77, 114)  
}
```

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(153, 77, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 114) }
```

Border

The CSS property to change the border of an element to Yxy 13.2950, 0.3795, 0.2680 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(153, 77, 114) }
```

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

```
.border{ border-color:rgb(153, 77, 114) }
```

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

Here you see how a box with a 4 pixel rgb(153, 77, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 114);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2950, 0.3795, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 114) }
```

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

```
.background{ background-color: rgb(153, 77,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor