

Converting Colors

$Y_{xy}(13.9650, 0.3394, 0.2778)$

Have a look what the booklet for
Yxy(13.9650, 0.3394, 0.2778)
contains.

Yxy(13.9650, 0.3394, 0.2778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9650, 0.3394, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	875B77
RGB	135, 91, 119
RGB Percent	53%, 36%, 47%
CMY	0.4706, 0.6431, 0.5334
CMYK	0.00, 0.33, 0.12, 0.47
HSL	322°, 19%, 44%
HSV	322°, 33%, 53%
XYZ	17.0616, 13.9650, 19.2433
YIQ	107.3480, 17.2360, 18.0360

Conversions

Conversions Part 2

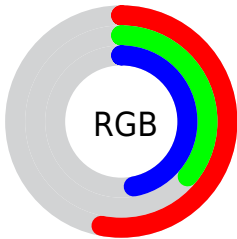
Format	Color
R_{YB}	135, 91, 119
Decimal	8870775
CIE Lab	44.18, 22.64, -8.47
CIE LCh	44, 24.178, 339.484
Yxy	13.9650, 0.3394, 0.2778
Android (android.graphics.Color)	4287060855 (0xFF875B77)
YUV	107.3480, 5.7444, 24.2508
Hunter-Lab	37.3698, 16.0993, -4.3722

Details

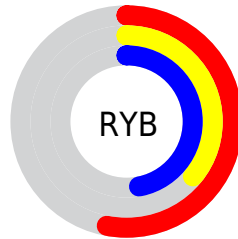
The Yxy color **13.9650, 0.3394, 0.2778** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.6145, 0.2932, 0.3866**, and the grayscale version is **14.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1051, 0.3333, 0.2903**, and **4.1411, 0.3494, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **11.7462, 0.3506, 0.2619**, and if you desaturate by 10%, it is **16.6064, 0.3297, 0.2940**.

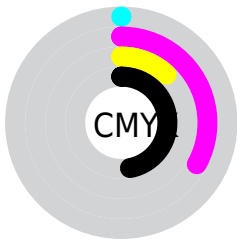
Distribution



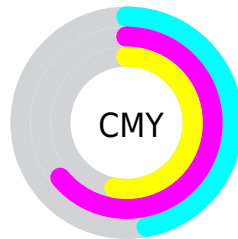
- Red (53%)
- Green (36%)
- Blue (47%)



- Red (53%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (33%)
- Yellow (12%)
- Black (47%)





- Cyan (47%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9650, 0.3394, 0.2778 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 13.9650, 0.3394, 0.2778 by changing the saturation by 10% instead.


 13.9650, 0.3394,
0.2778


 13.9650, 0.3394,
0.2778


217.0130, 0.3239,
0.3074


 8.0963, 0.3442,
0.2686


 33.0269, 0.3331,
0.2897


 4.1566, 0.3511,
0.2555

 46.9889, 0.3310,
0.2938

 1.7616, 0.3619,
0.2353

 64.4175, 0.3293,
0.2972

 0.4631, 0.3902,
0.1803

 85.6971, 0.3278,
0.2999

 0.0000, 0.0000,
0.0000

111.2121, 0.3266,
0.3022

141.3467, 0.3256,

0.3042

176.4856, 0.3247,
0.3059

■ 13.9650, 0.3394,
0.2778

■ 13.9650, 0.3394,
0.2778

■ 11.7462, 0.3506,
0.2619

■ 16.6064, 0.3297,
0.2940

■ 9.9258, 0.3632,
0.2470

■ 19.6893, 0.3214,
0.3099

■ 8.4799, 0.3773,
0.2341


■ 23.2335, 0.3144,
0.3252


■ 7.3815, 0.3924,
0.2241


■ 27.2573, 0.3084,
0.3396


■ 6.5995, 0.4081,
0.2181


■ 31.7779, 0.3034,
0.3531


 6.0977, 0.4239,
0.2168

 36.8115, 0.2993,
0.3657

 5.8204, 0.4358,
0.2175

 42.3739, 0.2958,
0.3772

 48.4798, 0.2929,
0.3878

 55.1437, 0.2905,
0.3975

Harmonies

Analogous

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



13.9650, 0.2883, 0.2552



13.9650, 0.3394, 0.2778



13.9650, 0.3860, 0.3120

Triad

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



13.9650, 0.3394, 0.2778



13.9650, 0.3773, 0.4158



13.9650, 0.2229, 0.2934

Complementary

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



13.9650, 0.3394, 0.2778



20.6145, 0.2932, 0.3866

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.



13.9650, 0.2428, 0.3412



13.9650, 0.3394, 0.2778



13.9650, 0.3308, 0.4181

Square

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



13.9650, 0.3394, 0.2778



13.9650, 0.4078, 0.3896



13.9650, 0.2816, 0.3897



13.9650, 0.2247, 0.2612

Rectangle

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



13.9650, 0.3394, 0.2778



13.9650, 0.4062, 0.3382



13.9650, 0.2816, 0.3897



13.9650, 0.2272, 0.3081

Sweetspot

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



13.9656, 0.3394, 0.2778



36.6843, 0.3196, 0.3136



12.3215, 0.2767, 0.2417



8.3235, 0.3205, 0.3117



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.9656, 0.3394, 0.2778



22.0418, 0.3474, 0.2662



13.5085, 0.3732, 0.3167



4.7348, 0.3188, 0.3153



5.3697, 0.4353, 0.2172



0.0200, 0.3740, 0.1834

Inverse Universe

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



13.9656, 0.3394, 0.2778



22.0418, 0.3474, 0.2662



21.1216, 0.2736, 0.3419



4.7348, 0.3188, 0.3153



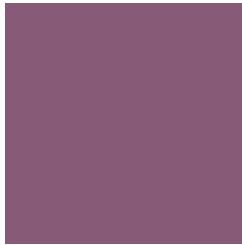
5.3697, 0.4353, 0.2172



0.0200, 0.3740, 0.1834

Previews

White Background



This preview shows how the Yxy color 13.9650, 0.3394, 0.2778 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 13.9650, 0.3394, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

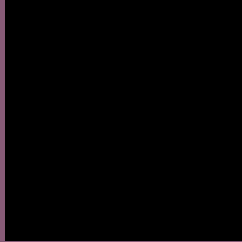
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9650, 0.3394, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 13.9650, 0.3394, 0.2778.



This preview shows how white text looks on a background with the Yxy color 13.9650, 0.3394, 0.2778.

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

13.9650, 0.3394, 0.2778

Protanopia

14.1423, 0.2793, 0.2815

Deuteranopia

14.0383, 0.3030, 0.2981



Tritanopia

13.9315, 0.3633, 0.3158

Trichromacy



Original Color

13.9650, 0.3394, 0.2778

Protanomaly

13.8896, 0.2996, 0.2791

Deuteranomaly

13.8949, 0.3146, 0.2893

Tritanomaly

13.9797, 0.3542, 0.3010

Monochromacy



Original Color

13.9650, 0.3394, 0.2778

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2370, 0.3223, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9650, 0.3394, 0.2778 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(135, 91, 119)` looks like.

```
.text, #text, p{  
    color:rgb(135, 91, 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(135, 91, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 91, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.9650, 0.3394, 0.2778 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(135, 91, 119) }
```

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

```
.border{ border-color:rgb(135, 91, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 91, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 91, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 91, 119);  
box-shadow:4px 4px 4px 4px rgb(135, 91,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9650, 0.3394, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 91, 119) }
```

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

```
.background{ background-color: rgb(135, 91,  
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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