

Converting Colors

$Y_{xy}(12.9666, 0.3924, 0.3106)$

Have a look what the booklet for
Yxy(12.9666, 0.3924, 0.3106)
contains.

Yxy(12.9177, 0.3925, 0.3093)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9177, 0.3925, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	8E545F
RGB	142, 84, 95
RGB Percent	56%, 33%, 37%
CMY	0.4431, 0.6706, 0.6275
CMYK	0.00, 0.41, 0.33, 0.44
HSL	349°, 26%, 44%
HSV	349°, 41%, 56%
XYZ	16.3925, 12.9177, 12.4541
YIQ	102.5960, 31.0370, 15.7170

Conversions

Conversions Part 2

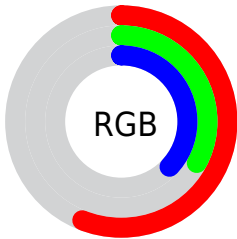
Format	Color
R _Y B	142, 84, 95
Decimal	9327711
CIE Lab	42.64, 25.56, 4.02
CIE LCh	43, 25.876, 8.932
Yxy	12.9177, 0.3925, 0.3093
Android (android.graphics.Color)	4287517791 (0xFF8E545F)
YUV	102.5960, -3.7448, 34.5573
Hunter-Lab	35.9412, 18.5153, 4.6140

Details

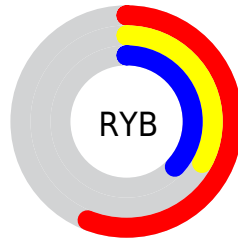
The Yxy color **12.9177, 0.3925, 0.3093** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.8735, 0.2670, 0.3504**, and the grayscale version is **13.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2426, 0.3720, 0.3158**, and **3.7185, 0.4350, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **10.7388, 0.4235, 0.3049**, and if you desaturate by 10%, it is **15.5757, 0.3666, 0.3142**.

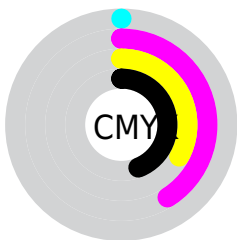
Distribution



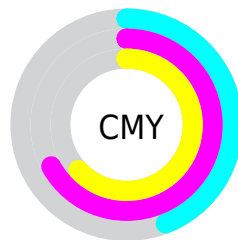
- Red (56%)
- Green (33%)
- Blue (37%)



- Red (56%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (41%)
- Yellow (33%)
- Black (44%)





- Cyan (44%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9177, 0.3925, 0.3093 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 12.9177, 0.3925, 0.3093 by changing the saturation by 10% instead.


 12.9177, 0.3925,
0.3093


 12.9177, 0.3925,
0.3093


210.3895, 0.3440,
0.3218


 7.3719, 0.4090,
0.3047


 31.1558, 0.3721,
0.3148


 3.6958, 0.4339,
0.2974

 44.6170, 0.3653,
0.3165

 1.5049, 0.4755,
0.2844

 61.4854, 0.3600,
0.3179

 0.2922, 0.7328,
0.2370

 82.1454, 0.3556,
0.3190

 0.0000, 0.0000,
0.0000

 106.9814, 0.3519,
0.3199

136.3778, 0.3489,

0.3206

170.7191, 0.3463,
0.3213

■ 12.9177, 0.3925,
0.3093

■ 12.9177, 0.3925,
0.3093

■ 10.7388, 0.4235,
0.3049

■ 15.5757, 0.3666,
0.3142

■ 9.0087, 0.4593,
0.3016

■ 18.7371, 0.3453,
0.3192

■ 7.6963, 0.4989,
0.3002


■ 22.4269, 0.3279,
0.3241

■ 6.7660, 0.5395,
0.3015

■ 26.6676, 0.3138,
0.3286


■ 6.1759, 0.5768,
0.3060

■ 31.4808, 0.3023,
0.3328

 5.8306, 0.6058,
0.3111

 36.8865, 0.2929,
0.3367

 42.9041, 0.2852,
0.3402

 49.5519, 0.2789,
0.3434

 56.8475, 0.2736,
0.3463

Harmonies

Analogous

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



12.9177, 0.3407, 0.2727



12.9177, 0.3925, 0.3093



12.9177, 0.4212, 0.3522

Triad

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



12.9177, 0.3925, 0.3093



12.9177, 0.3330, 0.4277



12.9177, 0.2167, 0.2551

Complementary

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



12.9177, 0.3925, 0.3093



22.8735, 0.2670, 0.3504

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.



12.9177, 0.2151, 0.2903



12.9177, 0.3925, 0.3093



12.9177, 0.2793, 0.3971

Square

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



12.9177, 0.3925, 0.3093



12.9177, 0.3838, 0.4237



12.9177, 0.2369, 0.3432



12.9177, 0.2408, 0.2417

Rectangle

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



12.9177, 0.3925, 0.3093



12.9177, 0.4222, 0.3806



12.9177, 0.2369, 0.3432



12.9177, 0.2136, 0.2645

Sweetspot

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



12.9183, 0.3925, 0.3093



38.5735, 0.3301, 0.3234



13.0720, 0.3007, 0.2269



8.4493, 0.3319, 0.3229



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.9183, 0.3925, 0.3093



19.2226, 0.4207, 0.3052



15.7776, 0.3990, 0.3607



5.4398, 0.3253, 0.3249



5.2362, 0.6048, 0.3105



0.0525, 0.5120, 0.2594

Inverse Universe

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



12.9183, 0.3925, 0.3093



19.2226, 0.4207, 0.3052



18.4062, 0.2530, 0.2943



5.4398, 0.3253, 0.3249



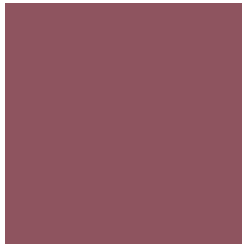
5.2362, 0.6048, 0.3105



0.0525, 0.5120, 0.2594

Previews

White Background



This preview shows how the Yxy color 12.9177, 0.3925, 0.3093 looks on a white background.

Color Contrast Check

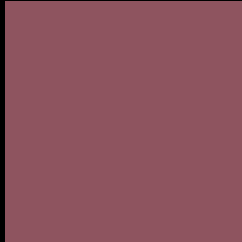
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9177, 0.3925, 0.3093 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 12.9177, 0.3925, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 12.9177, 0.3925, 0.3093.



This preview shows how white text looks on a background with the Yxy color 12.9177, 0.3925, 0.3093.

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

12.9177, 0.3925, 0.3093

Protanopia

13.1316, 0.3101, 0.3224

Deuteranopia

13.1031, 0.3444, 0.3397



Tritanopia

13.0031, 0.3989, 0.3184

Trichromacy



Original Color

12.9177, 0.3925, 0.3093

Protanomaly

12.9059, 0.3380, 0.3166

Deuteranomaly

12.9219, 0.3607, 0.3271

Tritanomaly

13.0205, 0.3971, 0.3165

Monochromacy



Original Color

12.9177, 0.3925, 0.3093

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0677, 0.3392, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9177, 0.3925, 0.3093 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(142, 84, 95)` looks like.

```
.text, #text, p{  
    color:rgb(142, 84, 95)  
}
```

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(142, 84, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 84, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.9177, 0.3925, 0.3093 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(142, 84, 95) }
```

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

```
.border{ border-color:rgb(142, 84, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 84, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 84, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 84, 95);  
box-shadow:4px 4px 4px 4px rgb(142, 84,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9177, 0.3925, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 84, 95) }
```

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

```
.background{ background-color: rgb(142, 84,  
95) }
```

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