

Converting Colors

$Y_{xy}(12.8086, 0.3755, 0.2851)$

Have a look what the booklet for
Yxy(12.8086, 0.3755, 0.2851)
contains.

Yxy(12.7651, 0.3762, 0.2846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.7651, 0.3762, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	8F516A
RGB	143, 81, 106
RGB Percent	56%, 32%, 42%
CMY	0.4392, 0.6824, 0.5843
CMYK	0.00, 0.43, 0.26, 0.44
HSL	336°, 28%, 44%
HSV	336°, 43%, 56%
XYZ	16.8736, 12.7651, 15.2141
YIQ	102.3880, 28.9270, 20.9190

Conversions

Conversions Part 2

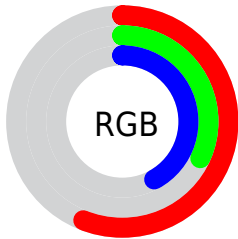
Format	Color
R_{YB}	143, 81, 106
Decimal	9392490
CIE _{Lab}	42.41, 29.26, -3.08
CIE _{LCh}	42, 29.420, 353.989
Yxy	12.7651, 0.3762, 0.2846
Android (android.graphics.Color)	4287582570 (0xFF8F516A)
YUV	102.3880, 1.7807, 35.6167
Hunter-Lab	35.7283, 21.7768, -0.2375

Details

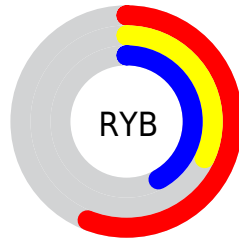
The Yxy color **12.7651, 0.3762, 0.2846** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7052, 0.2755, 0.3794**, and the grayscale version is **13.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9426, 0.3602, 0.2962**, and **3.6276, 0.4088, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **10.6908, 0.3988, 0.2751**, and if you desaturate by 10%, it is **15.3060, 0.3569, 0.2950**.

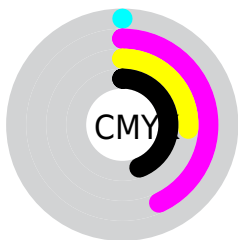
Distribution



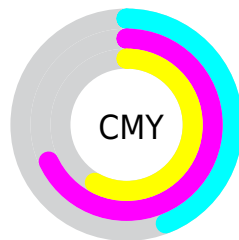
- Red (56%)
- Green (32%)
- Blue (42%)



- Red (56%)
- Yellow (32%)
- Blue (42%)



- Cyan (0%)
- Magenta (43%)
- Yellow (26%)
- Black (44%)





- Cyan (44%)
- Magenta (68%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7651, 0.3762, 0.2846 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 12.7651, 0.3762, 0.2846 by changing the saturation by 10% instead.


 12.7651, 0.3762,
0.2846


 12.7651, 0.3762,
0.2846


209.4067, 0.3380,
0.3110


 7.2670, 0.3889,
0.2760


 30.8811, 0.3603,
0.2955


 3.6296, 0.4079,
0.2634

 44.2678, 0.3550,
0.2991


 1.4686, 0.4393,
0.2430

 61.0529, 0.3507,
0.3021

 0.2665, 0.5578,
0.1526

 81.6206, 0.3473,
0.3045

 0.0000, 0.0000,
0.0000

 106.3555, 0.3444,
0.3065

135.6419, 0.3419,

0.3082

169.8641, 0.3398,
0.3097

■ 12.7651, 0.3762,
0.2846

■ 12.7651, 0.3762,
0.2846

■ 10.6908, 0.3988,
0.2751

■ 15.3060, 0.3569,
0.2950

■ 9.0523, 0.4246,
0.2674

■ 18.3379, 0.3407,
0.3056

■ 7.8182, 0.4530,
0.2626

■ 21.8858, 0.3272,
0.3160

■ 6.9517, 0.4828,
0.2619

■ 25.9726, 0.3160,
0.3258

■ 6.4095, 0.5122,
0.2661

■ 30.6195, 0.3068,
0.3351

■ 6.1430, 0.5315,
0.2701

■ 35.8469, 0.2992,
0.3436

■ 41.6738, 0.2929,
0.3515

■ 48.1187, 0.2877,
0.3587

■ 55.1990, 0.2834,
0.3653

Harmonies

Analogous

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



12.7651, 0.3117, 0.2501



12.7651, 0.3762, 0.2846



12.7651, 0.4248, 0.3296

Triad

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



12.7651, 0.3762, 0.2846



12.7651, 0.3650, 0.4444



12.7651, 0.2007, 0.2614

Complementary

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



12.7651, 0.3762, 0.2846



22.7052, 0.2755, 0.3794

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.



12.7651, 0.2115, 0.3123



12.7651, 0.3762, 0.2846



12.7651, 0.3036, 0.4303

Square

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



12.7651, 0.3762, 0.2846



12.7651, 0.4151, 0.4211



12.7651, 0.2478, 0.3776



12.7651, 0.2152, 0.2349

Rectangle

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



12.7651, 0.3762, 0.2846



12.7651, 0.4384, 0.3620



12.7651, 0.2478, 0.3776



12.7651, 0.2014, 0.2758

Sweetspot

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



12.7657, 0.3762, 0.2846



39.2487, 0.3271, 0.3160



11.6615, 0.2807, 0.2145



8.6883, 0.3296, 0.3140



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.



12.7657, 0.3762, 0.2846



19.2305, 0.3982, 0.2753



13.1163, 0.4171, 0.3386



5.4579, 0.3222, 0.3202



5.4346, 0.5302, 0.2695



0.0561, 0.4295, 0.2140

Inverse Universe

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



12.7657, 0.3762, 0.2846



19.2305, 0.3982, 0.2753



21.8646, 0.2540, 0.3188



5.4579, 0.3222, 0.3202



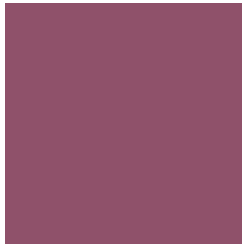
5.4346, 0.5302, 0.2695



0.0561, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 12.7651, 0.3762, 0.2846 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 12.7651, 0.3762, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

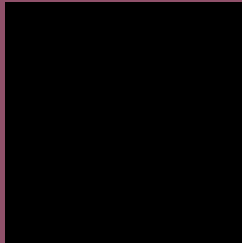
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.7651, 0.3762, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 12.7651, 0.3762, 0.2846.



This preview shows how white text looks on a background with the Yxy color 12.7651, 0.3762, 0.2846.

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

12.7651, 0.3762, 0.2846

Protanopia

12.9637, 0.2855, 0.2901

Deuteranopia

12.7799, 0.3223, 0.3162



Tritanopia

12.7416, 0.3997, 0.3183

Trichromacy



Original Color

12.7651, 0.3762, 0.2846

Protanomaly

12.6210, 0.3147, 0.2860

Deuteranomaly

12.5466, 0.3408, 0.3027

Tritanomaly

12.7818, 0.3913, 0.3057

Monochromacy



Original Color

12.7651, 0.3762, 0.2846

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7666, 0.3353, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7651, 0.3762, 0.2846 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(143, 81, 106)` looks like.

```
.text, #text, p{  
    color:rgb(143, 81, 106)  
}
```

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(143, 81, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 81, 106) }
```

Border

The CSS property to change the border of an element to Yxy 12.7651, 0.3762, 0.2846 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(143, 81, 106) }
```

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

```
.border{ border-color:rgb(143, 81, 106) }
```

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

Here you see how a box with a 4 pixel rgb(143, 81, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 81, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 81, 106);  
box-shadow:4px 4px 4px 4px rgb(143, 81,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7651, 0.3762, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 81, 106) }
```

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

```
.background{ background-color: rgb(143, 81,  
106) }
```

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