

Converting Colors

$Y_{xy}(12.4678, 0.3892, 0.2765)$

Have a look what the booklet for
Yxy(12.4678, 0.3892, 0.2765)
contains.

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Color

Yxy(12.4623, 0.3884, 0.2764)

Conversions

Conversions Part 1

Format	Color
Hex	954B6A
RGB	149, 75, 106
RGB Percent	58%, 29%, 42%
CMY	0.4157, 0.7059, 0.5844
CMYK	0.00, 0.50, 0.29, 0.42
HSL	335°, 33%, 44%
HSV	335°, 50%, 58%
XYZ	17.5121, 12.4623, 15.1135
YIQ	100.6600, 34.1530, 25.3290

Conversions

Conversions Part 2

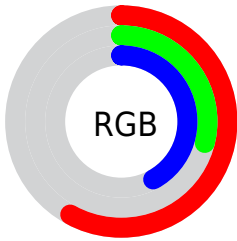
Format	Color
R_{YB}	149, 75, 106
Decimal	9784170
CIE _{Lab}	41.94, 34.77, -3.65
CIE _{LCh}	42, 34.957, 354.000
Yxy	12.4623, 0.3884, 0.2764
Android (android.graphics.Color)	4287974250 (0xFF954B6A)
YUV	100.6600, 2.6326, 42.3942
Hunter-Lab	35.3020, 26.7695, -0.6718

Details

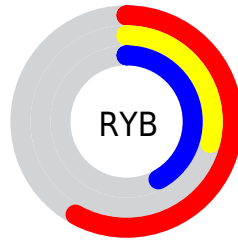
The Yxy color **12.4623, 0.3884, 0.2764** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **24.3015, 0.2722, 0.3909**, and the grayscale version is **12.9084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3352, 0.3696, 0.2895**, and **3.5414, 0.4264, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **10.5016, 0.4124, 0.2675**, and if you desaturate by 10%, it is **14.9158, 0.3675, 0.2867**.

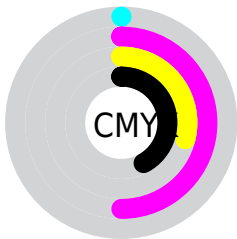
Distribution



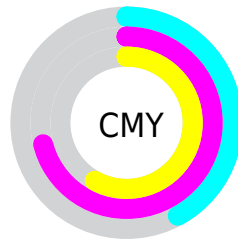
- Red (58%)
- Green (29%)
- Blue (42%)



- Red (58%)
- Yellow (29%)
- Blue (42%)



- Cyan (0%)
- Magenta (50%)
- Yellow (29%)
- Black (42%)





- Cyan (42%)
- Magenta (71%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4623, 0.3884, 0.2764 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 12.4623, 0.3884, 0.2764 by changing the saturation by 10% instead.


 12.4623, 0.3884,
0.2764


 12.4623, 0.3884,
0.2764


207.4423, 0.3428,
0.3076


 7.0593, 0.4036,
0.2663


 30.3343, 0.3694,
0.2892


 3.4992, 0.4262,
0.2515

 43.5722, 0.3631,
0.2936


 1.3976, 0.4633,
0.2278

 60.1905, 0.3580,
0.2971

 0.2150, 0.6033,
0.1211

 80.5736, 0.3539,
0.2999

 0.0000, 1.0000,
0.0000

 105.1060, 0.3504,
0.3023

 0.0000, 0.0000,
0.0000

134.1719, 0.3475,

0.3044

168.1559, 0.3450,
0.3061

■ 12.4623, 0.3884,
0.2764

■ 12.4623, 0.3884,
0.2764

■ 10.5016, 0.4124,
0.2675

■ 14.9158, 0.3675,
0.2867

■ 8.9979, 0.4393,
0.2612

■ 17.8912, 0.3498,
0.2977

■ 7.9131, 0.4680,
0.2587


■ 21.4173, 0.3349,
0.3087

■ 7.2024, 0.4970,
0.2609

■ 25.5203, 0.3226,
0.3193

■ 6.7562, 0.5252,
0.2670

■ 30.2248, 0.3124,
0.3293

 6.7422, 0.5261,
0.2672

 35.5540, 0.3040,
0.3387

 41.5296, 0.2970,
0.3473

 48.1726, 0.2913,
0.3553

 55.5027, 0.2866,
0.3625

Harmonies

Analogous

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



12.4623, 0.3108, 0.2370



12.4623, 0.3884, 0.2764



12.4623, 0.4470, 0.3278

Triad

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



12.4623, 0.3884, 0.2764



12.4623, 0.3725, 0.4673



12.4623, 0.1821, 0.2479

Complementary

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



12.4623, 0.3884, 0.2764



24.3015, 0.2722, 0.3909

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.



12.4623, 0.1938, 0.3074



12.4623, 0.3884, 0.2764



12.4623, 0.3001, 0.4528

Square

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



12.4623, 0.3884, 0.2764



12.4623, 0.4327, 0.4358



12.4623, 0.2350, 0.3876



12.4623, 0.1987, 0.2185

Rectangle

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



12.4623, 0.3884, 0.2764



12.4623, 0.4626, 0.3650



12.4623, 0.2350, 0.3876



12.4623, 0.1828, 0.2644

Sweetspot

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



12.4629, 0.3884, 0.2764



41.4262, 0.3293, 0.3134



10.9802, 0.2727, 0.1961



8.8784, 0.3317, 0.3113



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.4629, 0.3884, 0.2764



18.3352, 0.4164, 0.2664



12.6262, 0.4422, 0.3378



5.8533, 0.3221, 0.3198



5.6796, 0.5245, 0.2663



0.0752, 0.4251, 0.2115

Inverse Universe

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



12.4629, 0.3884, 0.2764



18.3352, 0.4164, 0.2664



23.6347, 0.2475, 0.3195



5.8533, 0.3221, 0.3198



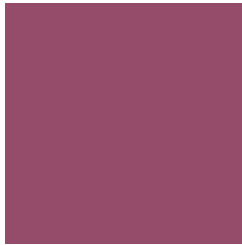
5.6796, 0.5245, 0.2663



0.0752, 0.4251, 0.2115

Previews

White Background



This preview shows how the Yxy color 12.4623, 0.3884, 0.2764 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 12.4623, 0.3884, 0.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

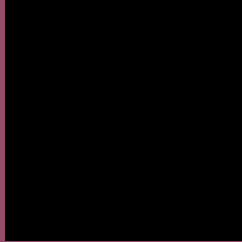
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4623, 0.3884, 0.2764

Background



This preview shows how black text looks on a background with the Yxy color 12.4623, 0.3884, 0.2764.



This preview shows how white text looks on a background with the Yxy color 12.4623, 0.3884, 0.2764.

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

12.4623, 0.3884, 0.2764

Protanopia

12.7371, 0.2792, 0.2815

Deuteranopia

12.5132, 0.3224, 0.3161



Tritanopia

12.4509, 0.4217, 0.3189

Trichromacy



Original Color

12.4623, 0.3884, 0.2764

Protanomaly

12.2181, 0.3137, 0.2761

Deuteranomaly

12.1697, 0.3465, 0.2989

Tritanomaly

12.5350, 0.4092, 0.3033

Monochromacy



Original Color

12.4623, 0.3884, 0.2764

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4851, 0.3373, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4623, 0.3884, 0.2764 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(149, 75, 106)` looks like.

```
.text, #text, p{  
    color:rgb(149, 75, 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(149, 75, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 75, 106) }
```

Border

The CSS property to change the border of an element to Yxy 12.4623, 0.3884, 0.2764 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(149, 75, 106) }
```

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

```
.border{ border-color:rgb(149, 75, 106) }
```

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

Here you see how a box with a 4 pixel rgb(149, 75, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 75, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 75, 106);  
box-shadow:4px 4px 4px 4px rgb(149, 75,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4623, 0.3884, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 75, 106) }
```

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

```
.background{ background-color: rgb(149, 75,  
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](#).

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