

Converting Colors

$Y_{xy}(12.1822, 0.3755, 0.2653)$

Have a look what the booklet for
Yxy(12.1822, 0.3755, 0.2653)
contains.

Yxy(12.1562, 0.3749, 0.2654)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1562, 0.3749, 0.2654)

Conversions

Conversions Part 1

Format	Color
Hex	924A6F
RGB	146, 74, 111
RGB Percent	57%, 29%, 44%
CMY	0.4274, 0.7098, 0.5648
CMYK	0.00, 0.49, 0.24, 0.43
HSL	329°, 33%, 43%
HSV	329°, 49%, 57%
XYZ	17.1717, 12.1562, 16.4755
YIQ	99.7460, 31.0350, 26.7710

Conversions

Conversions Part 2

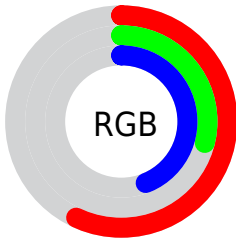
Format	Color
R_{YB}	146, 74, 111
Decimal	9587311
CIE _{Lab}	41.46, 34.97, -7.50
CIE _{LCh}	41, 35.767, 347.895
Yxy	12.1562, 0.3749, 0.2654
Android (android.graphics.Color)	4287777391 (0xFF924A6F)
YUV	99.7460, 5.5482, 40.5648
Hunter-Lab	34.8657, 26.8977, -3.6109

Details

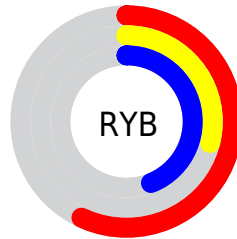
The Yxy color **12.1562, 0.3749, 0.2654** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.1193, 0.2779, 0.4050**, and the grayscale version is **12.6559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8681, 0.3594, 0.2803**, and **3.3813, 0.4058, 0.2383** is the 20% darker color. If you saturate the color by 10%, you get **10.2780, 0.3942, 0.2543**, and if you desaturate by 10%, it is **14.5005, 0.3580, 0.2780**.

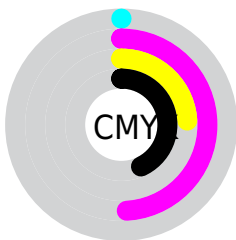
Distribution



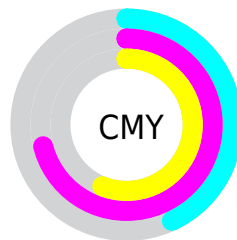
- Red (57%)
- Green (29%)
- Blue (44%)



- Red (57%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (49%)
- Yellow (24%)
- Black (43%)





- Cyan (43%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1562, 0.3749, 0.2654 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 12.1562, 0.3749, 0.2654 by changing the saturation by 10% instead.


 12.1562, 0.3749,
0.2654


 12.1562, 0.3749,
0.2654


205.4366, 0.3378,
0.3026


 6.8501, 0.3871,
0.2536


 29.7793, 0.3595,
0.2806


 3.3686, 0.4050,
0.2367

 42.8651, 0.3544,
0.2857


 1.3270, 0.4342,
0.2101

 59.3129, 0.3502,
0.2899

 0.1620, 0.5415,
0.0861

 79.5072, 0.3469,
0.2933

 0.0000, 0.0000,
0.0000

 103.8323, 0.3440,
0.2962

132.6727, 0.3416,

0.2987

166.4127, 0.3396,
0.3008

■ 12.1562, 0.3749,
0.2654

■ 12.1562, 0.3749,
0.2654

■ 10.2780, 0.3942,
0.2543

■ 14.5005, 0.3580,
0.2780

■ 8.8321, 0.4155,
0.2458

■ 17.3381, 0.3434,
0.2913

■ 7.7829, 0.4383,
0.2410


■ 20.6962, 0.3311,
0.3047


■ 7.0882, 0.4616,
0.2409

■ 24.5996, 0.3208,
0.3176


■ 6.6476, 0.4847,
0.2450

■ 29.0713, 0.3122,
0.3298

 6.6191, 0.4864,
0.2453

 34.1330, 0.3050,
0.3413

 39.8055, 0.2991,
0.3519

 46.1083, 0.2941,
0.3617

 53.0601, 0.2900,
0.3707

Harmonies

Analogous

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



12.1562, 0.2947, 0.2285



12.1562, 0.3749, 0.2654



12.1562, 0.4421, 0.3161

Triad

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



12.1562, 0.3749, 0.2654



12.1562, 0.3881, 0.4678



12.1562, 0.1787, 0.2552

Complementary

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



12.1562, 0.3749, 0.2654



23.1193, 0.2779, 0.4050

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.



12.1562, 0.1966, 0.3223



12.1562, 0.3749, 0.2654



12.1562, 0.3146, 0.4650

Square

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



12.1562, 0.3749, 0.2654



12.1562, 0.4453, 0.4284



12.1562, 0.2446, 0.4062



12.1562, 0.1899, 0.2191

Rectangle

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



12.1562, 0.3749, 0.2654



12.1562, 0.4647, 0.3537



12.1562, 0.2446, 0.4062



12.1562, 0.1813, 0.2742

Sweetspot

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



12.1568, 0.3749, 0.2654



39.1518, 0.3268, 0.3099



10.2124, 0.2648, 0.1943



8.4308, 0.3288, 0.3075



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.



12.1568, 0.3749, 0.2654



17.8763, 0.3960, 0.2534



11.5203, 0.4427, 0.3273



5.8621, 0.3207, 0.3177



5.8291, 0.4853, 0.2447



0.0773, 0.4002, 0.1978

Inverse Universe

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



12.1568, 0.3749, 0.2654



17.8763, 0.3960, 0.2534



24.0529, 0.2505, 0.3311



5.8621, 0.3207, 0.3177



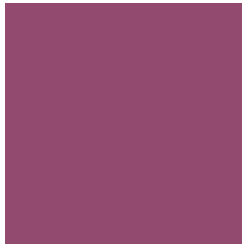
5.8291, 0.4853, 0.2447



0.0773, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 12.1562, 0.3749, 0.2654 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 12.1562, 0.3749, 0.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

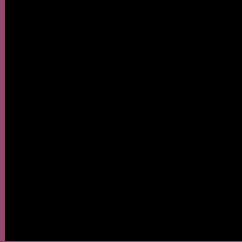
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1562, 0.3749, 0.2654

Background



This preview shows how black text looks on a background with the Yxy color 12.1562, 0.3749, 0.2654.



This preview shows how white text looks on a background with the Yxy color 12.1562, 0.3749, 0.2654.

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

12.1562, 0.3749, 0.2654

Protanopia

12.3058, 0.2669, 0.2645

Deuteranopia

12.3703, 0.3094, 0.3050



Tritanopia

12.0875, 0.4154, 0.3185

Trichromacy



Original Color

12.1562, 0.3749, 0.2654

Protanomaly

11.9047, 0.3007, 0.2636

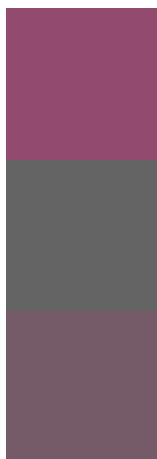
Deuteranomaly

11.9841, 0.3321, 0.2883

Tritanomaly

12.0452, 0.4016, 0.2990

Monochromacy



Original Color

12.1562, 0.3749, 0.2654

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2636, 0.3345, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1562, 0.3749, 0.2654 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(146, 74, 111)` looks like.

```
.text, #text, p{  
    color:rgb(146, 74, 111)  
}
```

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(146, 74, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 74, 111) }
```

Border

The CSS property to change the border of an element to Yxy 12.1562, 0.3749, 0.2654 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(146, 74, 111) }
```

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

```
.border{ border-color:rgb(146, 74, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 74, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 74, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 74, 111);  
box-shadow:4px 4px 4px 4px rgb(146, 74,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1562, 0.3749, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 74, 111) }
```

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

```
.background{ background-color: rgb(146, 74,  
111) }
```

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