

Converting Colors

$Y_{xy}(12.4193, 0.3753, 0.3142)$

Have a look what the booklet for
Yxy(12.4193, 0.3753, 0.3142)
contains.

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Color

Yxy(12.4498, 0.3749, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	83575E
RGB	131, 87, 94
RGB Percent	51%, 34%, 37%
CMY	0.4862, 0.6588, 0.6314
CMYK	0.00, 0.34, 0.28, 0.49
HSL	350°, 20%, 43%
HSV	350°, 34%, 51%
XYZ	14.7891, 12.4498, 12.2092
YIQ	100.9540, 23.9770, 11.5050

Conversions

Conversions Part 2

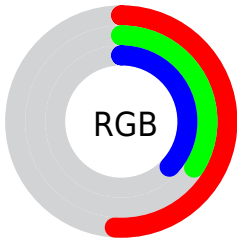
Format	Color
R_{YB}	131, 87, 94
Decimal	8607582
CIE Lab	41.92, 19.26, 3.42
CIE LCh	42, 19.566, 10.075
Yxy	12.4498, 0.3749, 0.3156
Android (android.graphics.Color)	4286797662 (0xFF83575E)
YUV	100.9540, -3.4283, 26.3503
Hunter-Lab	35.2843, 13.0691, 4.1833

Details

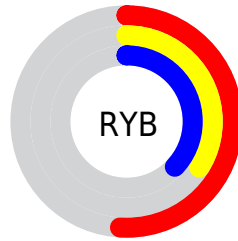
The Yxy color **12.4498, 0.3749, 0.3156** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7173, 0.2730, 0.3431**, and the grayscale version is **13.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2192, 0.3591, 0.3193**, and **3.5047, 0.4077, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **10.3342, 0.4030, 0.3116**, and if you desaturate by 10%, it is **14.9799, 0.3517, 0.3198**.

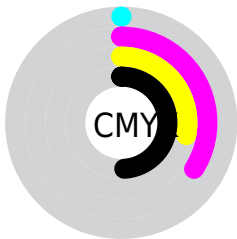
Distribution



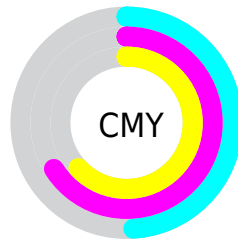
- Red (51%)
- Green (34%)
- Blue (37%)



- Red (51%)
- Yellow (34%)
- Blue (37%)



- Cyan (0%)
- Magenta (34%)
- Yellow (28%)
- Black (49%)





- Cyan (49%)
- Magenta (66%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4498, 0.3749, 0.3156 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 12.4498, 0.3749, 0.3156 by changing the saturation by 10% instead.


 12.4498, 0.3749,
0.3156


 12.4498, 0.3749,
0.3156


207.3608, 0.3369,
0.3242


 7.0508, 0.3880,
0.3124


 30.3117, 0.3588,
0.3194


 3.4939, 0.4080,
0.3073

 43.5434, 0.3535,
0.3206


 1.3947, 0.4421,
0.2979

 60.1548, 0.3493,
0.3215

 0.2128, 0.7596,
0.2404

 80.5302, 0.3459,
0.3222

 0.0000, 0.0000,
0.0000

 105.0542, 0.3431,
0.3228

134.1110, 0.3407,

0.3234

168.0850, 0.3387,
0.3238

■ 12.4498, 0.3749,
0.3156

■ 12.4498, 0.3749,
0.3156

■ 10.3342, 0.4030,
0.3116

■ 14.9799, 0.3517,
0.3198

■ 8.6092, 0.4363,
0.3082

■ 17.9431, 0.3329,
0.3238

■ 7.2513, 0.4744,
0.3059


■ 21.3591, 0.3175,
0.3277

■ 6.2339, 0.5156,
0.3054


■ 25.2457, 0.3050,
0.3313


■ 5.5264, 0.5564,
0.3074

■ 29.6199, 0.2948,
0.3345


 5.0914, 0.5921,
0.3121

 34.4977, 0.2865,
0.3375

 4.8794, 0.6120,
0.3145

 39.8946, 0.2796,
0.3402

 45.8252, 0.2739,
0.3427

 52.3037, 0.2692,
0.3450

Harmonies

Analogous

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



12.4498, 0.3363, 0.2859



12.4498, 0.3749, 0.3156



12.4498, 0.3960, 0.3498

Triad

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



12.4498, 0.3749, 0.3156



12.4498, 0.3278, 0.4028



12.4498, 0.2378, 0.2714

Complementary

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



12.4498, 0.3749, 0.3156



19.7173, 0.2730, 0.3431

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.



12.4498, 0.2361, 0.2990



12.4498, 0.3749, 0.3156



12.4498, 0.2861, 0.3787

Square

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



12.4498, 0.3749, 0.3156



12.4498, 0.3671, 0.4025



12.4498, 0.2531, 0.3388



12.4498, 0.2579, 0.2605

Rectangle

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



12.4498, 0.3749, 0.3156



12.4498, 0.3965, 0.3718



12.4498, 0.2531, 0.3388



12.4498, 0.2351, 0.2788

Sweetspot

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



12.4504, 0.3749, 0.3156



34.0912, 0.3273, 0.3252



12.7163, 0.3057, 0.2465



7.7709, 0.3293, 0.3247



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.4504, 0.3749, 0.3156



19.4446, 0.3950, 0.3126



14.9522, 0.3778, 0.3575



4.6999, 0.3256, 0.3256



4.8026, 0.6118, 0.3144



0.0173, 0.5281, 0.2683

Inverse Universe

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



12.4504, 0.3749, 0.3156



19.4446, 0.3950, 0.3126



16.2345, 0.2631, 0.2984



4.6999, 0.3256, 0.3256



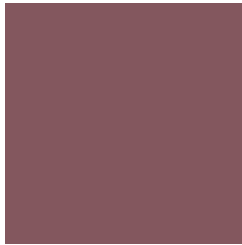
4.8026, 0.6118, 0.3144



0.0173, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 12.4498, 0.3749, 0.3156 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 12.4498, 0.3749, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

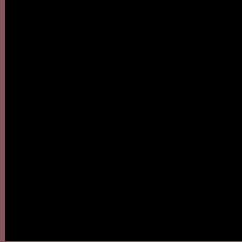
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4498, 0.3749, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 12.4498, 0.3749, 0.3156.



This preview shows how white text looks on a background with the Yxy color 12.4498, 0.3749, 0.3156.

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

12.4498, 0.3749, 0.3156

Protanopia

12.6300, 0.3129, 0.3245

Deuteranopia

12.5180, 0.3419, 0.3378



Tritanopia

12.4498, 0.3749, 0.3156

Trichromacy



Original Color

12.4498, 0.3749, 0.3156

Protanomaly

12.5110, 0.3347, 0.3226

Deuteranomaly

12.4706, 0.3526, 0.3291

Tritanomaly

12.4498, 0.3749, 0.3156

Monochromacy



Original Color

12.4498, 0.3749, 0.3156

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6923, 0.3344, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4498, 0.3749, 0.3156 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(131, 87, 94)` looks like.

```
.text, #text, p{  
    color:rgb(131, 87, 94)  
}
```

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(131, 87, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 87, 94) }
```

Border

The CSS property to change the border of an element to Yxy 12.4498, 0.3749, 0.3156 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(131, 87, 94) }
```

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

```
.border{ border-color:rgb(131, 87, 94) }
```

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

Here you see how a box with a 4 pixel rgb(131, 87, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 87, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 87, 94);  
box-shadow:4px 4px 4px 4px rgb(131, 87,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4498, 0.3749, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 87, 94) }
```

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

```
.background{ background-color: rgb(131, 87,  
94) }
```

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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