

Converting Colors

$Y_{xy}(12.6878, 0.3799, 0.3081)$

Have a look what the booklet for
Yxy(12.6878, 0.3799, 0.3081)
contains.

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Color

Yxy(12.5943, 0.3788, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	885561
RGB	136, 85, 97
RGB Percent	53%, 33%, 38%
CMY	0.4667, 0.6667, 0.6196
CMYK	0.00, 0.37, 0.29, 0.47
HSL	346°, 23%, 43%
HSV	346°, 37%, 53%
XYZ	15.5601, 12.5943, 12.9229
YIQ	101.6170, 26.5440, 14.5440

Conversions

Conversions Part 2

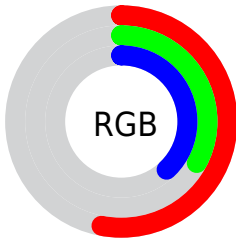
Format	Color
R_{YB}	136, 85, 97
Decimal	8934753
CIE Lab	42.15, 22.90, 1.96
CIE LCh	42, 22.980, 4.902
Yxy	12.5943, 0.3788, 0.3066
Android (android.graphics.Color)	4287124833 (0xFF885561)
YUV	101.6170, -2.2762, 30.1539
Hunter-Lab	35.4884, 16.1594, 3.2518

Details

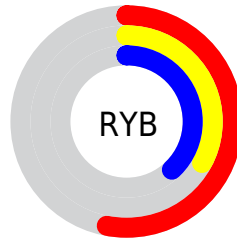
The Yxy color **12.5943, 0.3788, 0.3066** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9951, 0.2723, 0.3532**, and the grayscale version is **13.1834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5424, 0.3619, 0.3114**, and **3.5101, 0.4120, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **10.4739, 0.4060, 0.3008**, and if you desaturate by 10%, it is **15.1529, 0.3561, 0.3128**.

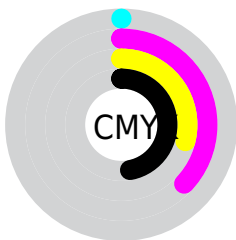
Distribution



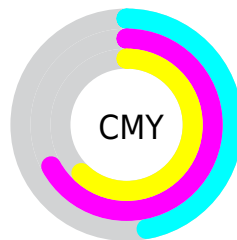
- Red (53%)
- Green (33%)
- Blue (38%)



- Red (53%)
- Yellow (33%)
- Blue (38%)



- Cyan (0%)
- Magenta (37%)
- Yellow (29%)
- Black (47%)





- Cyan (47%)
- Magenta (67%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5943, 0.3788, 0.3066 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 12.5943, 0.3788, 0.3066 by changing the saturation by 10% instead.


 12.5943, 0.3788,
0.3066


 12.5943, 0.3788,
0.3066


208.3010, 0.3386,
0.3205


 7.1498, 0.3925,
0.3017


 30.5730, 0.3618,
0.3125


 3.5559, 0.4134,
0.2942

 43.8759, 0.3562,
0.3145


 1.4284, 0.4487,
0.2810

 60.5671, 0.3518,
0.3160

 0.2375, 0.6862,
0.2077

 81.0310, 0.3482,
0.3172

 0.0000, 0.0000,
0.0000

 105.6519, 0.3452,
0.3183

134.8143, 0.3426,

0.3191

168.9025, 0.3404,
0.3198

■ 12.5943, 0.3788,
0.3066

■ 12.5943, 0.3788,
0.3066

■ 10.4739, 0.4060,
0.3008

■ 15.1529, 0.3561,
0.3128

■ 8.7653, 0.4378,
0.2959

■ 18.1707, 0.3375,
0.3189

■ 7.4420, 0.4738,
0.2929

■ 21.6694, 0.3223,
0.3248

■ 6.4735, 0.5122,
0.2926

■ 25.6687, 0.3098,
0.3303

■ 5.8249, 0.5499,
0.2958

■ 30.1875, 0.2997,
0.3354

■ 5.4273, 0.5836,
0.3020

■ 35.2433, 0.2913,
0.3401

■ 5.3388, 0.5916,
0.3033

■ 40.8532, 0.2845,
0.3443

■ 47.0332, 0.2788,
0.3482

■ 53.7989, 0.2741,
0.3517

Harmonies

Analogous

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



12.5943, 0.3312, 0.2743



12.5943, 0.3788, 0.3066



12.5943, 0.4080, 0.3454

Triad

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



12.5943, 0.3788, 0.3066



12.5943, 0.3381, 0.4181



12.5943, 0.2243, 0.2659

Complementary

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



12.5943, 0.3788, 0.3066



20.9951, 0.2723, 0.3532

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.



12.5943, 0.2259, 0.3005



12.5943, 0.3788, 0.3066



12.5943, 0.2892, 0.3946

Square

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



12.5943, 0.3788, 0.3066



12.5943, 0.3823, 0.4118



12.5943, 0.2487, 0.3488



12.5943, 0.2438, 0.2506

Rectangle

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



12.5943, 0.3788, 0.3066



12.5943, 0.4118, 0.3714



12.5943, 0.2487, 0.3488



12.5943, 0.2225, 0.2754

Sweetspot

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



12.5949, 0.3788, 0.3066



35.7802, 0.3276, 0.3227



12.5044, 0.2984, 0.2347



8.1199, 0.3293, 0.3220



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.5949, 0.3788, 0.3066



18.9792, 0.4015, 0.3016



14.5792, 0.3910, 0.3532



5.0666, 0.3246, 0.3239



5.0542, 0.5911, 0.3030



0.0355, 0.4904, 0.2475

Inverse Universe

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



12.5949, 0.3788, 0.3066



18.9792, 0.4015, 0.3016



17.9374, 0.2586, 0.3030



5.0666, 0.3246, 0.3239



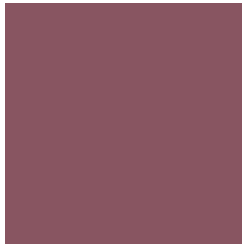
5.0542, 0.5911, 0.3030



0.0355, 0.4904, 0.2475

Previews

White Background



This preview shows how the Yxy color 12.5943, 0.3788, 0.3066 looks on a white background.

Color Contrast Check

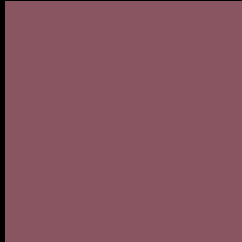
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5943, 0.3788, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

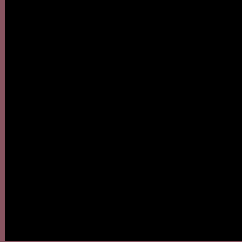
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5943, 0.3788, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 12.5943, 0.3788, 0.3066.



This preview shows how white text looks on a background with the Yxy color 12.5943, 0.3788, 0.3066.

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

12.5943, 0.3788, 0.3066

Protanopia

12.6529, 0.3061, 0.3157

Deuteranopia

12.5715, 0.3374, 0.3312



Tritanopia

12.6625, 0.3869, 0.3179

Trichromacy



Original Color

12.5943, 0.3788, 0.3066

Protanomaly

12.4754, 0.3305, 0.3121

Deuteranomaly

12.4919, 0.3515, 0.3209

Tritanomaly

12.6980, 0.3835, 0.3141

Monochromacy



Original Color

12.5943, 0.3788, 0.3066

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8632, 0.3346, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5943, 0.3788, 0.3066 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(136, 85, 97)` looks like.

```
.text, #text, p{  
    color:rgb(136, 85, 97)  
}
```

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(136, 85, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 85, 97) }
```

Border

The CSS property to change the border of an element to Yxy 12.5943, 0.3788, 0.3066 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(136, 85, 97) }
```

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

```
.border{ border-color:rgb(136, 85, 97) }
```

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

Here you see how a box with a 4 pixel rgb(136, 85, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 85, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 85, 97);  
box-shadow:4px 4px 4px 4px rgb(136, 85,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5943, 0.3788, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 85, 97) }
```

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

```
.background{ background-color: rgb(136, 85,  
97) }
```

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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