

Converting Colors

$Y_{xy}(13.4805, 0.4422, 0.2927)$

Have a look what the booklet for
Yxy(13.4805, 0.4422, 0.2927)
contains.

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Color

Yxy(13.5133, 0.4426, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	A8465E
RGB	168, 70, 94
RGB Percent	66%, 27%, 37%
CMY	0.3412, 0.7254, 0.6314
CMYK	0.00, 0.58, 0.44, 0.34
HSL	345°, 41%, 47%
HSV	345°, 58%, 66%
XYZ	20.3573, 13.5133, 12.1243
YIQ	102.0380, 50.7040, 28.2400

Conversions

Conversions Part 2

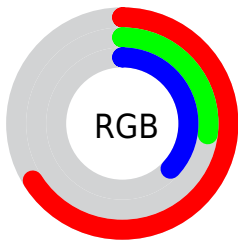
Format	Color
RYB	168, 70, 94
Decimal	11028062
CIELab	43.53, 42.58, 6.41
CIElCh	44, 43.056, 8.566
Yxy	13.5133, 0.4426, 0.2938
Android (android.graphics.Color)	4289218142 (0xFFA8465E)
YUV	102.0380, -3.9627, 57.8487
Hunter-Lab	36.7604, 34.5197, 6.1774

Details

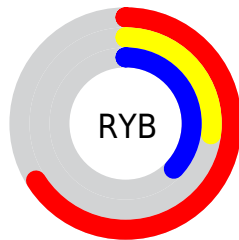
The Yxy color **13.5133, 0.4426, 0.2938** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.3181, 0.2562, 0.3720**, and the grayscale version is **13.2993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1014, 0.4100, 0.3035**, and **3.9722, 0.5078, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **11.4884, 0.4794, 0.2910**, and if you desaturate by 10%, it is **16.1649, 0.4098, 0.2987**.

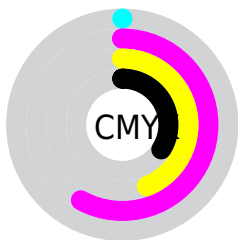
Distribution



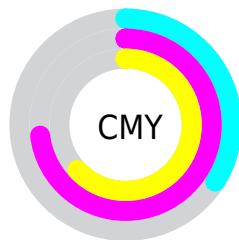
- Red (66%)
- Green (27%)
- Blue (37%)



- Red (66%)
- Yellow (27%)
- Blue (37%)



- Cyan (0%)
- Magenta (58%)
- Yellow (44%)
- Black (34%)





- Cyan (34%)
- Magenta (73%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5133, 0.4426, 0.2938 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 13.5133, 0.4426, 0.2938 by changing the saturation by 10% instead.


 13.5133, 0.4426,
0.2938


 13.5133, 0.4426,
0.2938


214.1817, 0.3643,
0.3163


 7.7829, 0.4684,
0.2856


 32.2229, 0.4100,
0.3036


 3.9564, 0.5063,
0.2728

 45.9710, 0.3991,
0.3068


 1.6492, 0.5667,
0.2509

 63.1604, 0.3904,
0.3092

 0.3904, 0.7986,
0.2014

 84.1756, 0.3833,
0.3112

 0.0000, 1.0000,
0.0000

 109.4009, 0.3773,
0.3128

 0.0000, 0.0000,
0.0000

139.2207, 0.3723,

0.3142

174.0195, 0.3680,
0.3154

■ 13.5133, 0.4426,
0.2938

■ 13.5133, 0.4426,
0.2938

■ 11.4884, 0.4794,
0.2910

■ 16.1649, 0.4098,
0.2987

■ 10.0359, 0.5182,
0.2913

■ 19.4874, 0.3818,
0.3048

■ 9.0956, 0.5555,
0.2955

■ 23.5235, 0.3584,
0.3113

■ 8.5612, 0.5879,
0.3029

■ 28.3115, 0.3392,
0.3178

■ 8.4847, 0.5930,
0.3040

■ 33.8873, 0.3235,
0.3241

■ 40.2842, 0.3108,
0.3300

■ 47.5337, 0.3004,
0.3354

■ 55.6656, 0.2919,
0.3403

■ 64.7084, 0.2849,
0.3449

Harmonies

Analogous

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



13.5133, 0.3549, 0.2416



13.5133, 0.4426, 0.2938



13.5133, 0.4889, 0.3553

Triad

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



13.5133, 0.4426, 0.2938



13.5133, 0.3390, 0.4968



13.5133, 0.1668, 0.2122

Complementary

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



13.5133, 0.4426, 0.2938



31.3181, 0.2562, 0.3720

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.



13.5133, 0.1636, 0.2625



13.5133, 0.4426, 0.2938



13.5133, 0.2558, 0.4480

Square

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



13.5133, 0.4426, 0.2938



13.5133, 0.4197, 0.4764



13.5133, 0.1930, 0.3500



13.5133, 0.2004, 0.1958

Rectangle

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



13.5133, 0.4426, 0.2938



13.5133, 0.4869, 0.3983



13.5133, 0.1930, 0.3500



13.5133, 0.1623, 0.2248

Sweetspot

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



13.5140, 0.4426, 0.2938



52.3383, 0.3374, 0.3185



13.0930, 0.2861, 0.1812



11.0180, 0.3407, 0.3172



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.5140, 0.4426, 0.2938



19.9652, 0.4908, 0.2907



16.8623, 0.4621, 0.3658



7.5713, 0.3249, 0.3235



6.4152, 0.5905, 0.3027



0.1639, 0.5017, 0.2537

Inverse Universe

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



13.5140, 0.4426, 0.2938



19.9652, 0.4908, 0.2907



23.9237, 0.2319, 0.2846



7.5713, 0.3249, 0.3235



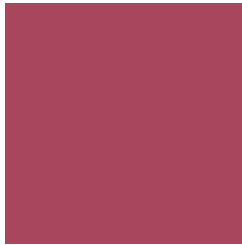
6.4152, 0.5905, 0.3027



0.1639, 0.5017, 0.2537

Previews

White Background



This preview shows how the Yxy color 13.5133, 0.4426, 0.2938 looks on a white background.

Color Contrast Check

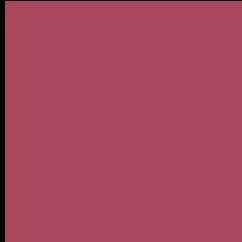
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5133, 0.4426, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

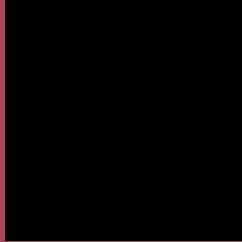
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5133, 0.4426, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 13.5133, 0.4426, 0.2938.



This preview shows how white text looks on a background with the Yxy color 13.5133, 0.4426, 0.2938.

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

13.5133, 0.4426, 0.2938

Protanopia

13.7539, 0.3011, 0.3098

Deuteranopia

13.7576, 0.3573, 0.3519



Tritanopia

13.5306, 0.4688, 0.3221

Trichromacy



Original Color

13.5133, 0.4426, 0.2938

Protanomaly

13.0141, 0.3487, 0.3017

Deuteranomaly

13.2185, 0.3885, 0.3255

Tritanomaly

13.4903, 0.4586, 0.3116

Monochromacy



Original Color

13.5133, 0.4426, 0.2938

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.6488, 0.3571, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5133, 0.4426, 0.2938 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(168, 70, 94)` looks like.

```
.text, #text, p{  
    color:rgb(168, 70, 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(168, 70, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 70, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.5133, 0.4426, 0.2938 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(168, 70, 94) }
```

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

```
.border{ border-color:rgb(168, 70, 94) }
```

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

Here you see how a box with a 4 pixel rgb(168, 70, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 70, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 70, 94);  
box-shadow:4px 4px 4px 4px rgb(168, 70,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5133, 0.4426, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 70, 94) }
```

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

```
.background{ background-color: rgb(168, 70,  
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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