

Converting Colors

$Y_{xy}(13.5628, 0.4083, 0.3516)$

Have a look what the booklet for
Yxy(13.5628, 0.4083, 0.3516)
contains.

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Color

Yxy(13.4500, 0.4087, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	8A5B4F
RGB	138, 91, 79
RGB Percent	54%, 36%, 31%
CMY	0.4588, 0.6431, 0.6902
CMYK	0.00, 0.34, 0.43, 0.46
HSL	12°, 27%, 43%
HSV	12°, 43%, 54%
XYZ	15.6343, 13.4500, 9.1694
YIQ	103.6850, 31.8640, 6.2320

Conversions

Conversions Part 2

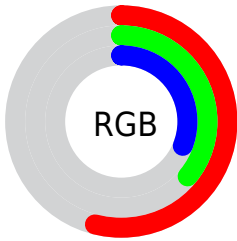
Format	Color
R _{YB}	138, 94, 79
Decimal	9067343
CIE Lab	43.43, 17.78, 14.81
CIE LCh	43, 23.137, 39.791
Yxy	13.4500, 0.4087, 0.3516
Android (android.graphics.Color)	4287257423 (0xFF8A5B4F)
YUV	103.6850, -12.1697, 30.0943
Hunter-Lab	36.6742, 11.9149, 10.8481

Details

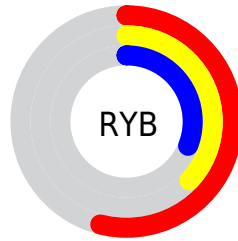
The Yxy color **13.4500, 0.4087, 0.3516** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4206, 0.2525, 0.3045**, and the grayscale version is **13.7820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9457, 0.3846, 0.3469**, and **3.9766, 0.4557, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **11.5261, 0.4425, 0.3564**, and if you desaturate by 10%, it is **15.6923, 0.3795, 0.3462**.

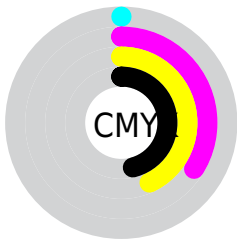
Distribution



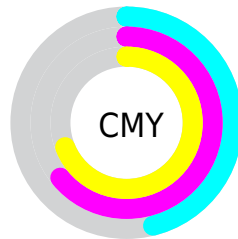
- Red (54%)
- Green (36%)
- Blue (31%)



- Red (54%)
- Yellow (37%)
- Blue (31%)



- Cyan (0%)
- Magenta (34%)
- Yellow (43%)
- Black (46%)



- Cyan (46%)
- Magenta (64%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4500, 0.4087, 0.3516 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 13.4500, 0.4087, 0.3516 by changing the saturation by 10% instead.


 13.4500, 0.4087,
0.3516

 13.4500, 0.4087,
0.3516


213.7819, 0.3504,
0.3398


 7.7391, 0.4282,
0.3542


 32.1099, 0.3843,
0.3474


 3.9285, 0.4572,
0.3569

 45.8277, 0.3762,
0.3457


 1.6336, 0.5092,
0.3615

 62.9833, 0.3697,
0.3443

 0.3801, 0.6766,
0.3234

 83.9611, 0.3644,
0.3432

 0.0000, 0.0000,
0.0000

 109.1455, 0.3601,
0.3421

138.9208, 0.3564,

0.3412

173.6714, 0.3532,
0.3405

■ 13.4500, 0.4087,
0.3516

■ 13.4500, 0.4087,
0.3516

■ 11.5261, 0.4425,
0.3564

■ 15.6923, 0.3795,
0.3462

■ 9.9042, 0.4804,
0.3600

■ 18.2647, 0.3548,
0.3407

■ 8.5692, 0.5204,
0.3614

■ 21.1806, 0.3341,
0.3354

■ 7.5039, 0.5593,
0.3598

■ 24.4521, 0.3169,
0.3303

■ 6.6893, 0.5926,
0.3549

■ 28.0907, 0.3026,
0.3257

■ 6.2374, 0.6135,
0.3511

■ 32.1074, 0.2907,
0.3214

■ 36.5126, 0.2806,
0.3175

■ 41.3166, 0.2722,
0.3140

■ 46.5290, 0.2651,
0.3107

Harmonies

Analogous

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



13.4500, 0.3841, 0.3129



13.4500, 0.4087, 0.3516



13.4500, 0.4047, 0.3883

Triad

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



13.4500, 0.4087, 0.3516



13.4500, 0.2822, 0.3873



13.4500, 0.2497, 0.2510

Complementary

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



13.4500, 0.4087, 0.3516



18.4206, 0.2525, 0.3045

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.



13.4500, 0.2273, 0.2630



13.4500, 0.4087, 0.3516



13.4500, 0.2446, 0.3404

Square

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



13.4500, 0.4087, 0.3516



13.4500, 0.3299, 0.4150



13.4500, 0.2254, 0.2943



13.4500, 0.2896, 0.2574

Rectangle

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



13.4500, 0.4087, 0.3516



13.4500, 0.3873, 0.4070



13.4500, 0.2254, 0.2943



13.4500, 0.2401, 0.2528

Sweetspot

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



13.4507, 0.4087, 0.3516



37.0473, 0.3351, 0.3356



12.5076, 0.3352, 0.2458



8.0747, 0.3389, 0.3367



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.



13.4507, 0.4087, 0.3516



20.5237, 0.4401, 0.3561



19.4745, 0.3861, 0.4032



5.2027, 0.3276, 0.3335



5.7364, 0.6129, 0.3515



0.0554, 0.5471, 0.4038

Inverse Universe

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



18.4206, 0.2525, 0.3045



30.4199, 0.2414, 0.2982



11.9920, 0.2423, 0.2409



5.5188, 0.2991, 0.3245



11.9150, 0.2067, 0.2642



0.0994, 0.2162, 0.2982

Previews

White Background



This preview shows how the Yxy color 13.4500, 0.4087, 0.3516 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 13.4500, 0.4087, 0.3516 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 13.4500, 0.4087, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 13.4500, 0.4087, 0.3516.



This preview shows how white text looks on a background with the Yxy color 13.4500, 0.4087, 0.3516.

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

13.4500, 0.4087, 0.3516

Protanopia

13.5918, 0.3477, 0.3705

Deuteranopia

13.5387, 0.3774, 0.3724



Tritanopia

13.4599, 0.3849, 0.3181

Trichromacy



Original Color

13.4500, 0.4087, 0.3516

Protanomaly

13.5259, 0.3698, 0.3643

Deuteranomaly

13.4278, 0.3890, 0.3650

Tritanomaly

13.5226, 0.3944, 0.3311

Monochromacy



Original Color

13.4500, 0.4087, 0.3516

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4629, 0.3442, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4500, 0.4087, 0.3516 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(138, 91, 79)` looks like.

```
.text, #text, p{  
  color:rgb(138, 91, 79)  
}
```

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(138, 91, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 91, 79) }
```

Border

The CSS property to change the border of an element to Yxy 13.4500, 0.4087, 0.3516 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(138, 91, 79) }
```

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

```
.border{ border-color:rgb(138, 91, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 91, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 91, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 91, 79);  
box-shadow:4px 4px 4px 4px rgb(138, 91,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4500, 0.4087, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 91, 79) }
```

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

```
.background{ background-color: rgb(138, 91,  
79) }
```

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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