

Converting Colors

$Y_{xy}(13.9816, 0.3548, 0.4546)$

Have a look what the booklet for
Yxy(13.9816, 0.3548, 0.4546)
contains.

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Color

Yxy(13.9816, 0.3548, 0.4546)

Conversions

Conversions Part 1

Format	Color
Hex	5D6F38
RGB	93, 111, 56
RGB Percent	36%, 44%, 22%
CMY	0.6353, 0.5647, 0.7805
CMYK	0.16, 0.00, 0.50, 0.56
HSL	80°, 33%, 33%
HSV	80°, 50%, 44%
XYZ	10.9122, 13.9816, 5.8621
YIQ	99.3480, 6.9270, -20.9210

Conversions

Conversions Part 2

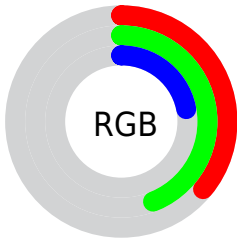
Format	Color
RYB	56, 111, 74
Decimal	6123320
CIELab	44.21, -16.50, 28.28
CIELCh	44, 32.745, 120.256
Yxy	13.9816, 0.3548, 0.4546
Android (android.graphics.Color)	4284313400 (0xFF5D6F38)
YUV	99.3480, -21.3706, -5.5672
Hunter-Lab	37.3920, -13.3440, 16.8793

Details

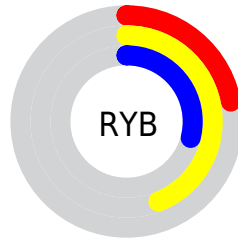
The Yxy color **13.9816, 0.3548, 0.4546** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.4291, 0.2515, 0.1922**, and the grayscale version is **12.6235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1232, 0.3461, 0.4231**, and **4.1348, 0.3652, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **13.7004, 0.3608, 0.4793**, and if you desaturate by 10%, it is **14.2971, 0.3475, 0.4286**.

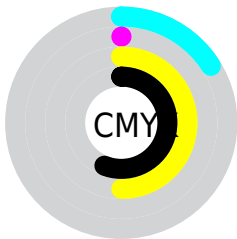
Distribution



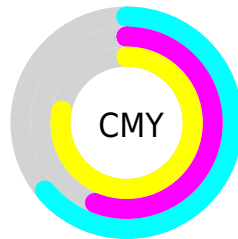
- Red (36%)
- Green (44%)
- Blue (22%)



- Red (22%)
- Yellow (44%)
- Blue (29%)



- Cyan (16%)
- Magenta (0%)
- Yellow (50%)
- Black (56%)





- Cyan (64%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9816, 0.3548, 0.4546 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 13.9816, 0.3548, 0.4546 by changing the saturation by 10% instead.


 13.9816, 0.3548,
0.4546


 13.9816, 0.3548,
0.4546


217.1163, 0.3320,
0.3775


 8.1079, 0.3599,
0.4804


 33.0564, 0.3465,
0.4221


 4.1640, 0.3648,
0.5182

 47.0262, 0.3433,
0.4114

 1.7657, 0.3876,
0.6124

 64.4635, 0.3406,
0.4028

 0.4657, 0.0788,
0.9212

 85.7527, 0.3384,
0.3959

 0.0000, 0.0000,
0.0000

 111.2782, 0.3364,
0.3901

 141.4244, 0.3348,

0.3852

176.5756, 0.3333,
0.3810

■ 13.9816, 0.3548,
0.4546

■ 13.9816, 0.3548,
0.4546

■ 13.7004, 0.3608,
0.4793

■ 14.2971, 0.3475,
0.4286

■ 13.4499, 0.3649,
0.5017

■ 14.6467, 0.3392,
0.4022

■ 13.2289, 0.3670,
0.5206

■ 15.0325, 0.3303,
0.3763

■ 13.0350, 0.3668,
0.5354

■ 15.4558, 0.3213,
0.3514

■ 12.8603, 0.3653,
0.5477

■ 15.9178, 0.3123,
0.3280

■ 12.8530, 0.3652,
0.5482

■ 16.4199, 0.3036,
0.3063

■ 16.9632, 0.2953,
0.2863

■ 17.5488, 0.2874,
0.2681

■ 18.1777, 0.2800,
0.2516

Harmonies

Analogous

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



13.9816, 0.4129, 0.4351



13.9816, 0.3548, 0.4546



13.9816, 0.2887, 0.4302

Triad

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



13.9816, 0.3548, 0.4546



13.9816, 0.1941, 0.2479



13.9816, 0.3944, 0.2905

Complementary

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



13.9816, 0.3548, 0.4546



5.4291, 0.2515, 0.1922

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.



13.9816, 0.3260, 0.2511



13.9816, 0.3548, 0.4546



13.9816, 0.2149, 0.2257

Square

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



13.9816, 0.3548, 0.4546



13.9816, 0.1997, 0.2970



13.9816, 0.2607, 0.2279



13.9816, 0.4403, 0.3397

Rectangle

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



13.9816, 0.3548, 0.4546



13.9816, 0.2491, 0.3904



13.9816, 0.2607, 0.2279



13.9816, 0.3728, 0.2760

Sweetspot

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



13.9822, 0.3548, 0.4546



27.2236, 0.3266, 0.3658



8.4833, 0.4203, 0.3684



6.5110, 0.3281, 0.3699



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.9822, 0.3548, 0.4546



24.4822, 0.3613, 0.4818



12.8155, 0.3177, 0.4708



3.8642, 0.3208, 0.3501



15.1304, 0.3648, 0.5486



74.8891, 0.3618, 0.5509

Inverse Universe

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



5.4291, 0.2515, 0.1922



7.3021, 0.2341, 0.1594



6.7359, 0.2993, 0.2091



3.3486, 0.3042, 0.3076



1.7879, 0.1771, 0.0749



8.4829, 0.1721, 0.0722

Previews

White Background



This preview shows how the Yxy color 13.9816, 0.3548, 0.4546 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 13.9816, 0.3548, 0.4546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

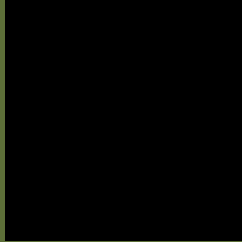
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9816, 0.3548, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 13.9816, 0.3548, 0.4546.



This preview shows how white text looks on a background with the Yxy color 13.9816, 0.3548, 0.4546.

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

13.9816, 0.3548, 0.4546

Protanopia

13.8118, 0.3966, 0.4318

Deuteranopia

13.7515, 0.4142, 0.4067



Tritanopia

14.0047, 0.2958, 0.3118

Trichromacy



Original Color

13.9816, 0.3548, 0.4546

Protanomaly

13.9170, 0.3801, 0.4405

Deuteranomaly

13.6508, 0.3926, 0.4226

Tritanomaly

13.8295, 0.3181, 0.3629

Monochromacy



Original Color

13.9816, 0.3548, 0.4546

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.8664, 0.3309, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9816, 0.3548, 0.4546 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(93, 111, 56)` looks like.

```
.text, #text, p{  
    color:rgb(93, 111, 56)  
}
```

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(93, 111, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 111, 56) }
```

Border

The CSS property to change the border of an element to Yxy 13.9816, 0.3548, 0.4546 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(93, 111, 56) }
```

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

```
.border{ border-color:rgb(93, 111, 56) }
```

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

Here you see how a box with a 4 pixel rgb(93, 111, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 111, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 111, 56);  
box-shadow:4px 4px 4px 4px rgb(93, 111,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9816, 0.3548, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 111, 56) }
```

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

```
.background{ background-color: rgb(93, 111,  
56) }
```

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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