

Converting Colors

$Yxy(33.5998, 0.3415, 0.4163)$

Have a look what the booklet for
Yxy(33.5998, 0.3415, 0.4163)
contains.

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Color

Yxy(33.5843, 0.3416, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	90A46D
RGB	144, 164, 109
RGB Percent	56%, 64%, 43%
CMY	0.4352, 0.3569, 0.5726
CMYK	0.12, 0.00, 0.34, 0.36
HSL	82°, 23%, 54%
HSV	82°, 34%, 64%
XYZ	27.5382, 33.5843, 19.4928
YIQ	151.7500, 5.7350, -21.3450

Conversions

Conversions Part 2

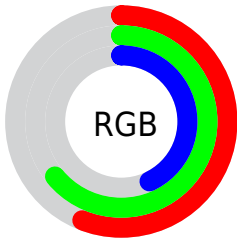
Format	Color
RYB	109, 164, 129
Decimal	9479277
CIELab	64.63, -16.70, 26.30
CIELCh	65, 31.151, 122.408
Yxy	33.5843, 0.3416, 0.4166
Android (android.graphics.Color)	4287669357 (0xFF90A46D)
YUV	151.7500, -21.0757, -6.7968
Hunter-Lab	57.9520, -16.5946, 20.6236

Details

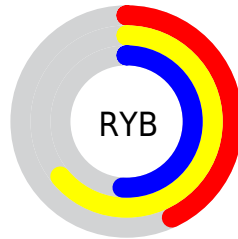
The Yxy color **33.5843, 0.3416, 0.4166** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.2779, 0.2754, 0.2373**, and the grayscale version is **31.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2420, 0.3363, 0.3985**, and **14.2524, 0.3487, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **32.7425, 0.3491, 0.4443**, and if you desaturate by 10%, it is **34.5233, 0.3333, 0.3891**.

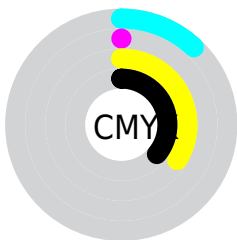
Distribution



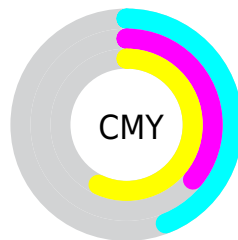
- Red (56%)
- Green (64%)
- Blue (43%)



- Red (43%)
- Yellow (64%)
- Blue (51%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (36%)



- Cyan (44%)
- Magenta (36%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5843, 0.3416, 0.4166 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 33.5843, 0.3416, 0.4166 by changing the saturation by 10% instead.

 33.5843, 0.3416,
0.4166


 33.5843, 0.3416,
0.4166


318.2745, 0.3275,
0.3691


 22.5744, 0.3448,
0.4297


 65.2867, 0.3366,
0.3984


 14.2796, 0.3487,
0.4472


 86.7480, 0.3347,
0.3919

 8.3154, 0.3531,
0.4717


 112.4619, 0.3331,
0.3865

 4.2974, 0.3574,
0.5079

 142.8129, 0.3316,
0.3819

 1.8413, 0.3878,
0.6122

178.1852, 0.3304,
0.3780

 0.5127, 0.1346,
0.8654

218.9633, 0.3293,

 0.0000, 0.0000,

0.3746

0.0000

265.5316, 0.3283,
0.3717

■ 33.5843, 0.3416,
0.4166

■ 33.5843, 0.3416,
0.4166

■ 32.7425, 0.3491,
0.4443

■ 34.5233, 0.3333,
0.3891

■ 31.9893, 0.3553,
0.4713

■ 35.5588, 0.3246,
0.3625

■ 31.3218, 0.3598,
0.4962

■ 36.6959, 0.3158,
0.3375

■ 30.7349, 0.3621,
0.5179


■ 37.9380, 0.3072,
0.3142


■ 30.2231, 0.3621,
0.5353

■ 39.2883, 0.2989,
0.2929

 29.7797, 0.3597,
0.5479

 40.7497, 0.2910,
0.2736

 29.5201, 0.3575,
0.5544

 42.3253, 0.2837,
0.2561

 44.0177, 0.2768,
0.2404

 45.7275, 0.2715,
0.2277

Harmonies

Analogous

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



33.5843, 0.3838, 0.4084



33.5843, 0.3416, 0.4166



33.5843, 0.2936, 0.3960

Triad

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



33.5843, 0.3416, 0.4166



33.5843, 0.2255, 0.2694



33.5843, 0.3739, 0.3042

Complementary

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



33.5843, 0.3416, 0.4166



18.2779, 0.2754, 0.2373

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.



33.5843, 0.3267, 0.2732



33.5843, 0.3416, 0.4166



33.5843, 0.2429, 0.2527

Square

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



33.5843, 0.3416, 0.4166



33.5843, 0.2288, 0.3048



33.5843, 0.2787, 0.2548



33.5843, 0.4045, 0.3419

Rectangle

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



33.5843, 0.3416, 0.4166



33.5843, 0.2649, 0.3685



33.5843, 0.2787, 0.2548



33.5843, 0.3592, 0.2928

Sweetspot

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



33.5858, 0.3416, 0.4166



65.2167, 0.3216, 0.3539



24.4967, 0.3789, 0.3595



14.1989, 0.3228, 0.3573



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.5858, 0.3416, 0.4166



59.8432, 0.3471, 0.4366



31.4533, 0.3156, 0.4242



8.1080, 0.3208, 0.3516



22.6616, 0.3580, 0.5539



0.5014, 0.3811, 0.5356

Inverse Universe

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



18.2779, 0.2754, 0.2373



27.8767, 0.2653, 0.2151



20.6562, 0.3066, 0.2452



6.9793, 0.3041, 0.3062



2.8067, 0.1806, 0.0768



0.0850, 0.2234, 0.1005

Previews

White Background



This preview shows how the Yxy color 33.5843, 0.3416, 0.4166 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.5843, 0.3416, 0.4166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

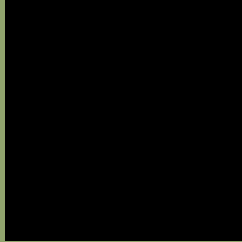
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

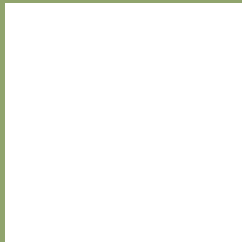
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5843, 0.3416, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 33.5843, 0.3416, 0.4166.



This preview shows how white text looks on a background with the Yxy color 33.5843, 0.3416, 0.4166.

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

33.5843, 0.3416, 0.4166

Protanopia

33.2526, 0.3738, 0.4029

Deuteranopia

33.4216, 0.3896, 0.3820



Tritanopia

33.6539, 0.2974, 0.3112

Trichromacy



Original Color

33.5843, 0.3416, 0.4166

Protanomaly

33.3314, 0.3618, 0.4081

Deuteranomaly

33.2483, 0.3717, 0.3938

Tritanomaly

33.6378, 0.3137, 0.3490

Monochromacy



Original Color

33.5843, 0.3416, 0.4166

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.9441, 0.3242, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5843, 0.3416, 0.4166 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(144, 164, 109)` looks like.

```
.text, #text, p{  
    color:rgb(144, 164, 109)  
}
```

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(144, 164, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 164, 109) }
```

Border

The CSS property to change the border of an element to Yxy 33.5843, 0.3416, 0.4166 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(144, 164, 109) }
```

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

```
.border{ border-color:rgb(144, 164, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 164, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 164, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 164, 109);  
box-shadow:4px 4px 4px 4px rgb(144, 164,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5843, 0.3416, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 164, 109) }
```

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

```
.background{ background-color: rgb(144,  
164, 109) }
```

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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