

Converting Colors

$Yxy(33.2009, 0.3543, 0.4139)$

Have a look what the booklet for
Yxy(33.2009, 0.3543, 0.4139)
contains.

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Color

Yxy(33.3027, 0.3545, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	99A16A
RGB	153, 161, 106
RGB Percent	60%, 63%, 42%
CMY	0.4000, 0.3686, 0.5844
CMYK	0.05, 0.00, 0.34, 0.37
HSL	69°, 23%, 52%
HSV	69°, 34%, 63%
XYZ	28.4820, 33.3027, 18.5595
YIQ	152.3380, 12.8870, -18.8010

Conversions

Conversions Part 2

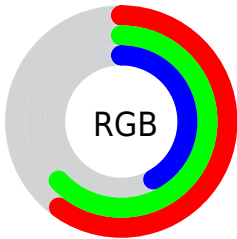
Format	Color
RYB	106, 161, 114
Decimal	10068330
CIELab	64.41, -11.98, 27.74
CIELCh	64, 30.216, 113.365
Yxy	33.3027, 0.3545, 0.4145
Android (android.graphics.Color)	4288258410 (0xFF99A16A)
YUV	152.3380, -22.8446, 0.5806
Hunter-Lab	57.7085, -12.8911, 21.3278

Details

The Yxy color **33.3027, 0.3545, 0.4145** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.4571, 0.2613, 0.2321**, and the grayscale version is **31.6496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9903, 0.3468, 0.3972**, and **14.2241, 0.3651, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **32.7742, 0.3658, 0.4394**, and if you desaturate by 10%, it is **33.9016, 0.3424, 0.3890**.

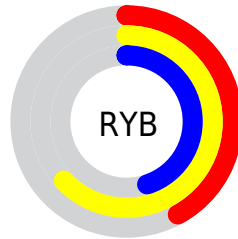
Distribution



Red (60%)

Green (63%)

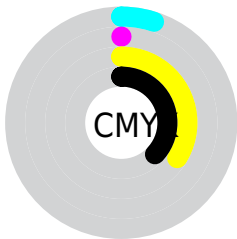
Blue (42%)



Red (42%)

Yellow (63%)

Blue (45%)

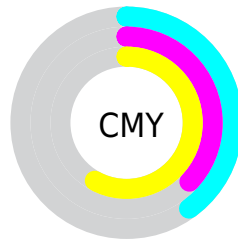


Cyan (5%)

Magenta (0%)

Yellow (34%)

Black (37%)



Cyan (40%)


Magenta (37%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3027, 0.3545, 0.4145 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 33.3027, 0.3545, 0.4145 by changing the saturation by 10% instead.


 33.3027, 0.3545,
0.4145


 33.3027, 0.3545,
0.4145


317.0115, 0.3334,
0.3685


 22.3584, 0.3596,
0.4269


 64.8478, 0.3469,
0.3971

 14.1205, 0.3659,
0.4434


 86.2175, 0.3440,
0.3907

 8.2045, 0.3737,
0.4661


 111.8311, 0.3416,
0.3855

 4.2261, 0.3828,
0.4988

 142.0729, 0.3395,
0.3810

 1.8008, 0.4162,
0.5838

177.3275, 0.3377,
0.3772

 0.4877, 0.2596,
0.7404

217.9792, 0.3361,

 0.0000, 0.0000,

0.3739

0.0000

264.4124, 0.3347,
0.3711

■ 33.3027, 0.3545,
0.4145

■ 33.3027, 0.3545,
0.4145

■ 32.7742, 0.3658,
0.4394

■ 33.9016, 0.3424,
0.3890

■ 32.3080, 0.3757,
0.4626

■ 34.5696, 0.3301,
0.3635

■ 31.9017, 0.3839,
0.4831


■ 35.3114, 0.3178,
0.3389

■ 31.5510, 0.3898,
0.5001

■ 36.1297, 0.3058,
0.3155

■ 31.2508, 0.3932,
0.5129


■ 37.0273, 0.2944,
0.2937


 30.9952, 0.3942,
0.5214

 38.0068, 0.2838,
0.2736

 30.8578, 0.3941,
0.5253

 39.0706, 0.2739,
0.2551

 40.2210, 0.2647,
0.2384

 41.4603, 0.2564,
0.2232

Harmonies

Analogous

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



33.3027, 0.3913, 0.3995



33.3027, 0.3545, 0.4145



33.3027, 0.3081, 0.4030

Triad

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



33.3027, 0.3545, 0.4145



33.3027, 0.2265, 0.2797



33.3027, 0.3594, 0.2948

Complementary

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



33.3027, 0.3545, 0.4145



16.4571, 0.2613, 0.2321

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.



33.3027, 0.3117, 0.2677



33.3027, 0.3545, 0.4145



33.3027, 0.2375, 0.2576

Square

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



33.3027, 0.3545, 0.4145



33.3027, 0.2360, 0.3188



33.3027, 0.2675, 0.2542



33.3027, 0.3955, 0.3303

Rectangle

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



33.3027, 0.3545, 0.4145



33.3027, 0.2783, 0.3804



33.3027, 0.2675, 0.2542



33.3027, 0.3440, 0.2845

Sweetspot

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



33.3042, 0.3545, 0.4145



62.4187, 0.3251, 0.3536



20.5013, 0.3867, 0.3411



13.6517, 0.3268, 0.3569



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.3042, 0.3545, 0.4145



58.9078, 0.3632, 0.4335



30.9804, 0.3271, 0.4226



8.1848, 0.3240, 0.3514



24.6567, 0.3943, 0.5251



0.5314, 0.4040, 0.5174

Inverse Universe

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



16.4571, 0.2613, 0.2321



24.0881, 0.2473, 0.2070



18.5277, 0.2921, 0.2401



6.9071, 0.3008, 0.3059



2.2164, 0.1569, 0.0638



0.0600, 0.1824, 0.0778

Previews

White Background



This preview shows how the Yxy color 33.3027, 0.3545, 0.4145 looks on a white background.

Color Contrast Check

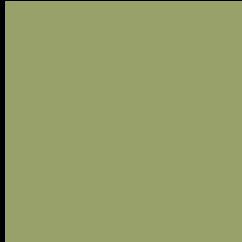
Large Text (above 18pt) WCAG AA × Fail

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 33.3027, 0.3545, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

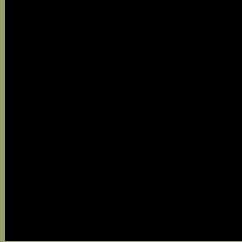
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3027, 0.3545, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 33.3027, 0.3545, 0.4145.



This preview shows how white text looks on a background with the Yxy color 33.3027, 0.3545, 0.4145.

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

33.3027, 0.3545, 0.4145

Protanopia

33.2114, 0.3757, 0.4058

Deuteranopia

33.0381, 0.3932, 0.3848



Tritanopia

33.4414, 0.3086, 0.3115

Trichromacy



Original Color

33.3027, 0.3545, 0.4145

Protanomaly

33.2602, 0.3673, 0.4088

Deuteranomaly

32.8638, 0.3789, 0.3946

Tritanomaly

33.3967, 0.3257, 0.3487

Monochromacy



Original Color

33.3027, 0.3545, 0.4145

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.8674, 0.3283, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3027, 0.3545, 0.4145 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(153, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(153, 161, 106)  
}
```

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(153, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 161, 106) }
```

Border

The CSS property to change the border of an element to Yxy 33.3027, 0.3545, 0.4145 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(153, 161, 106) }
```

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

```
.border{ border-color:rgb(153, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(153, 161,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3027, 0.3545, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 161, 106) }
```

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

```
.background{ background-color: rgb(153,  
161, 106) }
```

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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