

Converting Colors

$Yxy(33.3468, 0.3550, 0.4063)$

Have a look what the booklet for
Yxy(33.3468, 0.3550, 0.4063)
contains.

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Color

Yxy(33.3353, 0.3545, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	9CA06E
RGB	156, 160, 110
RGB Percent	61%, 63%, 43%
CMY	0.3881, 0.3726, 0.5686
CMYK	0.02, 0.00, 0.31, 0.37
HSL	65°, 21%, 53%
HSV	65°, 31%, 63%
XYZ	29.0996, 33.3353, 19.6515
YIQ	153.1040, 13.6660, -16.3980

Conversions

Conversions Part 2

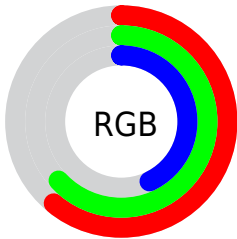
Format	Color
RYB	110, 160, 114
Decimal	10264686
CIELab	64.43, -9.70, 25.65
CIELCh	64, 27.421, 110.706
Yxy	33.3353, 0.3545, 0.4061
Android (android.graphics.Color)	4288454766 (0xFF9CA06E)
YUV	153.1040, -21.2503, 2.5398
Hunter-Lab	57.7367, -11.0743, 20.2355

Details

The Yxy color **33.3353, 0.3545, 0.4061** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.2644, 0.2629, 0.2407**, and the grayscale version is **31.9950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0584, 0.3466, 0.3909**, and **14.2281, 0.3657, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **32.8932, 0.3672, 0.4305**, and if you desaturate by 10%, it is **33.8447, 0.3411, 0.3811**.

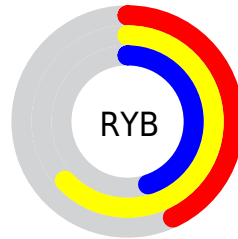
Distribution



Red (61%)

Green (63%)

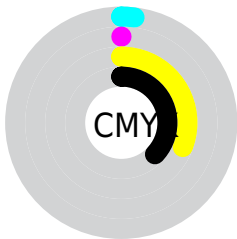
Blue (43%)



Red (43%)

Yellow (63%)

Blue (45%)

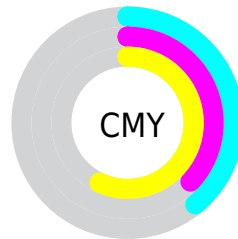


Cyan (2%)

Magenta (0%)

Yellow (31%)

Black (37%)



Cyan (39%)


Magenta (37%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3353, 0.3545, 0.4061 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 33.3353, 0.3545, 0.4061 by changing the saturation by 10% instead.


 33.3353, 0.3545,
0.4061


 33.3353, 0.3545,
0.4061


317.1579, 0.3332,
0.3648


 22.3834, 0.3598,
0.4173


 64.8987, 0.3467,
0.3905

 14.1389, 0.3665,
0.4320


 86.2789, 0.3438,
0.3848

 8.2173, 0.3750,
0.4524


 111.9042, 0.3414,
0.3800

 4.2343, 0.3857,
0.4818

 142.1587, 0.3392,
0.3760

 1.8055, 0.4302,
0.5698

177.4269, 0.3374,
0.3726

 0.4906, 0.3188,
0.6812

218.0933, 0.3358,

 0.0000, 0.0000,

0.3697

0.0000

264.5422, 0.3344,
0.3671

■ 33.3353, 0.3545,
0.4061

■ 33.3353, 0.3545,
0.4061

■ 32.8932, 0.3672,
0.4305

■ 33.8447, 0.3411,
0.3811

■ 32.5104, 0.3788,
0.4532

■ 34.4199, 0.3276,
0.3561

■ 32.1848, 0.3887,
0.4734


■ 35.0655, 0.3143,
0.3319


■ 31.9122, 0.3965,
0.4901


■ 35.7842, 0.3016,
0.3090


■ 31.6879, 0.4018,
0.5028

■ 36.5785, 0.2895,
0.2875


 31.5065, 0.4047,
0.5113

 37.4510, 0.2783,
0.2676

 31.3713, 0.4057,
0.5161

 38.4040, 0.2679,
0.2494

 39.4397, 0.2584,
0.2328

 40.5605, 0.2497,
0.2178

Harmonies

Analogous

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



33.3353, 0.3864, 0.3914



33.3353, 0.3545, 0.4061



33.3353, 0.3126, 0.3976

Triad

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



33.3353, 0.3545, 0.4061



33.3353, 0.2338, 0.2870



33.3353, 0.3516, 0.2952

Complementary

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



33.3353, 0.3545, 0.4061



17.2644, 0.2629, 0.2407

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.



33.3353, 0.3081, 0.2712



33.3353, 0.3545, 0.4061



33.3353, 0.2424, 0.2650

Square

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



33.3353, 0.3545, 0.4061



33.3353, 0.2444, 0.3238



33.3353, 0.2686, 0.2601



33.3353, 0.3856, 0.3275

Rectangle

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



33.3353, 0.3545, 0.4061



33.3353, 0.2850, 0.3785



33.3353, 0.2686, 0.2601



33.3353, 0.3374, 0.2860

Sweetspot

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



33.3368, 0.3545, 0.4061



62.7330, 0.3248, 0.3510



20.4832, 0.3799, 0.3346



13.7243, 0.3267, 0.3544



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.



33.3368, 0.3545, 0.4061



59.9999, 0.3628, 0.4220



31.1444, 0.3293, 0.4128



7.6936, 0.3249, 0.3512



24.4480, 0.4058, 0.5160



0.4442, 0.4116, 0.5114

Inverse Universe

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



17.2644, 0.2629, 0.2407



26.4308, 0.2505, 0.2193



19.1209, 0.2904, 0.2472



6.4592, 0.2999, 0.3060



2.0505, 0.1533, 0.0618



0.0432, 0.1690, 0.0705

Previews

White Background



This preview shows how the Yxy color 33.3353, 0.3545, 0.4061 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 33.3353, 0.3545, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

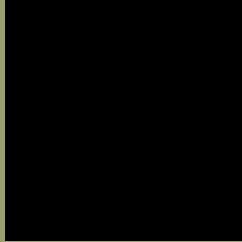
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3353, 0.3545, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 33.3353, 0.3545, 0.4061.



This preview shows how white text looks on a background with the Yxy color 33.3353, 0.3545, 0.4061.

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

33.3353, 0.3545, 0.4061

Protanopia

33.2947, 0.3719, 0.4000

Deuteranopia

33.2968, 0.3885, 0.3822



Tritanopia

33.2856, 0.3116, 0.3115

Trichromacy



Original Color

33.3353, 0.3545, 0.4061

Protanomaly

33.1106, 0.3651, 0.4013

Deuteranomaly

33.2576, 0.3754, 0.3917

Tritanomaly

33.2949, 0.3269, 0.3456

Monochromacy



Original Color

33.3353, 0.3545, 0.4061

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4531, 0.3283, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3353, 0.3545, 0.4061 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(156, 160, 110)` looks like.

```
.text, #text, p{  
    color:rgb(156, 160, 110)  
}
```

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(156, 160, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 160, 110) }
```

Border

The CSS property to change the border of an element to Yxy 33.3353, 0.3545, 0.4061 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(156, 160, 110) }
```

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

```
.border{ border-color:rgb(156, 160, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 160, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 160, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 160, 110);  
box-shadow:4px 4px 4px 4px rgb(156, 160,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3353, 0.3545, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 160, 110) }
```

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

```
.background{ background-color: rgb(156,  
160, 110) }
```

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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