

Converting Colors

$Yxy(33.0976, 0.2847, 0.4540)$

Have a look what the booklet for
Yxy(33.0976, 0.2847, 0.4540)
contains.

Yxy(33.1564, 0.2849, 0.4551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.1564, 0.2849, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	4AAF6A
RGB	74, 175, 106
RGB Percent	29%, 69%, 42%
CMY	0.7097, 0.3137, 0.5843
CMYK	0.58, 0.00, 0.39, 0.31
HSL	139°, 41%, 49%
HSV	139°, 58%, 69%
XYZ	20.7564, 33.1564, 18.9424
YIQ	136.9350, -38.0470, -42.8710

Conversions

Conversions Part 2

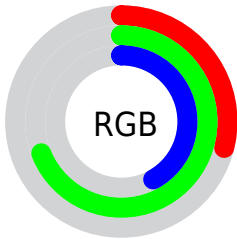
Format	Color
RYB	74, 151, 175
Decimal	4894570
CIELab	64.29, -44.97, 26.78
CIELCh	64, 52.337, 149.227
Yxy	33.1564, 0.2849, 0.4551
Android (android.graphics.Color)	4283084650 (0xFF4AAF6A)
YUV	136.9350, -15.2510, -55.1940
Hunter-Lab	57.5816, -36.4239, 20.8028

Details

The Yxy color **33.1564, 0.2849, 0.4551** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.9973, 0.3644, 0.2324**, and the grayscale version is **25.0620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4457, 0.2921, 0.4267**, and **13.9802, 0.2726, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **32.3253, 0.2830, 0.4812**, and if you desaturate by 10%, it is **34.2181, 0.2881, 0.4293**.

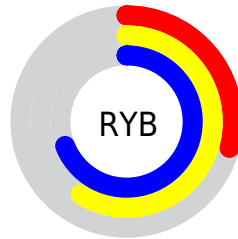
Distribution



Red (29%)

Green (69%)

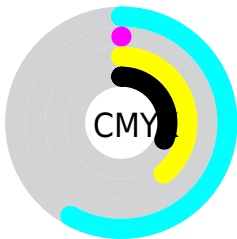
Blue (42%)



Red (29%)

Yellow (59%)

Blue (69%)

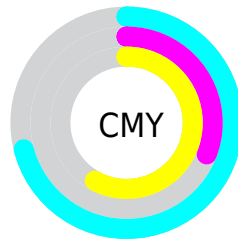


Cyan (58%)

Magenta (0%)

Yellow (39%)

Black (31%)



Cyan (71%)

Magenta (31%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1564, 0.2849, 0.4551 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 33.1564, 0.2849, 0.4551 by changing the saturation by 10% instead.


 33.1564, 0.2849,
0.4551


 33.1564, 0.2849,
0.4551


316.3539, 0.3020,
0.3841

 22.2463, 0.2793,
0.4758


 64.6196, 0.2920,
0.4272


 14.0380, 0.2711,
0.5043


 85.9415, 0.2944,
0.4174


 8.1471, 0.2582,
0.5457


 111.5028, 0.2963,
0.4093

 4.1892, 0.2359,
0.6100

 141.6879, 0.2979,
0.4026

 1.7800, 0.1856,
0.8144

 176.8811, 0.2992,
0.3969

 0.4746, 0.0000,
1.0000

217.4670, 0.3003,

 0.0000, 0.0000,

0.3920

0.0000

263.8297, 0.3012,
0.3878

■ 33.1564, 0.2849,
0.4551

■ 33.1564, 0.2849,
0.4551

■ 32.3253, 0.2830,
0.4812

■ 34.2181, 0.2881,
0.4293

■ 31.7028, 0.2827,
0.5066

■ 35.5223, 0.2924,
0.4047

■ 31.2696, 0.2841,
0.5300

■ 37.0848, 0.2973,
0.3817

■ 30.9938, 0.2868,
0.5505

■ 38.9188, 0.3027,
0.3608

■ 30.9406, 0.2874,
0.5548

■ 41.0368, 0.3084,
0.3420

■ 43.4503, 0.3140,
0.3254

■ 46.1704, 0.3196,
0.3107

■ 49.2073, 0.3249,
0.2978

■ 52.5710, 0.3301,
0.2866

Harmonies

Analogous

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



33.1564, 0.3626, 0.4802



33.1564, 0.2849, 0.4551



33.1564, 0.2190, 0.3769

Triad

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



33.1564, 0.2849, 0.4551



33.1564, 0.1970, 0.2086



33.1564, 0.4644, 0.3368

Complementary

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



33.1564, 0.2849, 0.4551



15.9973, 0.3644, 0.2324

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.



33.1564, 0.4078, 0.2812



33.1564, 0.2849, 0.4551



33.1564, 0.2484, 0.2110

Square

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



33.1564, 0.2849, 0.4551



33.1564, 0.1745, 0.2337



33.1564, 0.3248, 0.2369



33.1564, 0.4710, 0.3962

Rectangle

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



33.1564, 0.2849, 0.4551



33.1564, 0.1902, 0.3178



33.1564, 0.3248, 0.2369



33.1564, 0.4504, 0.3175

Sweetspot

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



33.1578, 0.2849, 0.4551



69.8468, 0.3030, 0.3600



36.9969, 0.3621, 0.4802



15.3717, 0.3019, 0.3639



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.1578, 0.2849, 0.4551



57.5812, 0.2828, 0.4876



34.5339, 0.2526, 0.3605



8.9796, 0.3075, 0.3449



22.1672, 0.2869, 0.5527



0.6267, 0.2690, 0.4883

Inverse Universe

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



15.9973, 0.3644, 0.2324



23.9357, 0.3805, 0.2177



14.7957, 0.4524, 0.3031



8.1042, 0.3184, 0.3136



7.5019, 0.4191, 0.2082



0.2180, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 33.1564, 0.2849, 0.4551 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 33.1564, 0.2849, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

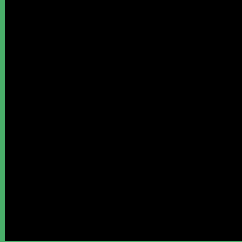
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1564, 0.2849, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 33.1564, 0.2849, 0.4551.



This preview shows how white text looks on a background with the Yxy color 33.1564, 0.2849, 0.4551.

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

33.1564, 0.2849, 0.4551

Protanopia

32.7595, 0.3818, 0.4130

Deuteranopia

32.4169, 0.3874, 0.3800



Tritanopia

32.9474, 0.2462, 0.3063

Trichromacy



Original Color

33.1564, 0.2849, 0.4551



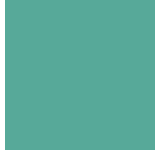
Protanomaly

31.8486, 0.3388, 0.4299



Deuteranomaly

31.4191, 0.3415, 0.4069



Tritanomaly

32.7021, 0.2601, 0.3564

Monochromacy



Original Color

33.1564, 0.2849, 0.4551



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.2170, 0.2989, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1564, 0.2849, 0.4551 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(74, 175, 106)` looks like.

```
.text, #text, p{  
  color:rgb(74, 175, 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(74, 175, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 175, 106) }
```

Border

The CSS property to change the border of an element to Yxy 33.1564, 0.2849, 0.4551 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(74, 175, 106) }
```

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

```
.border{ border-color:rgb(74, 175, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 175, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 175, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 175, 106);  
box-shadow:4px 4px 4px 4px rgb(74, 175,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1564, 0.2849, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 175, 106) }
```

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

```
.background{ background-color: rgb(74, 175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor