

Converting Colors

$Yxy(33.3016, 0.2904, 0.4517)$

Have a look what the booklet for
Yxy(33.3016, 0.2904, 0.4517)
contains.

Yxy(33.1517, 0.2904, 0.4519)	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(33.1517, 0.2904, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	53AE6A
RGB	83, 174, 106
RGB Percent	33%, 68%, 42%
CMY	0.6745, 0.3176, 0.5844
CMYK	0.52, 0.00, 0.39, 0.32
HSL	135°, 36%, 50%
HSV	135°, 52%, 68%
XYZ	21.3039, 33.1517, 18.9051
YIQ	139.0390, -32.4080, -40.4400

Conversions

Conversions Part 2

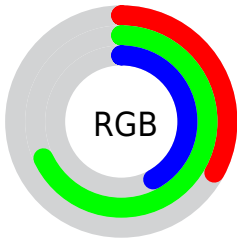
Format	Color
RYB	83, 156, 174
Decimal	5484138
CIELab	64.28, -42.33, 26.84
CIELCh	64, 50.122, 147.617
Yxy	33.1517, 0.2904, 0.4519
Android (android.graphics.Color)	4283674218 (0xFF53AE6A)
YUV	139.0390, -16.2882, -49.1462
Hunter-Lab	57.5775, -34.7148, 20.8369

Details

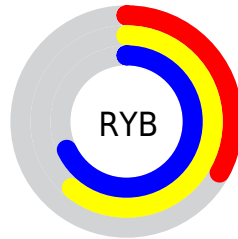
The Yxy color **33.1517, 0.2904, 0.4519** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.4215, 0.3493, 0.2328**, and the grayscale version is **25.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5512, 0.2966, 0.4244**, and **14.1187, 0.2781, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **32.2081, 0.2882, 0.4801**, and if you desaturate by 10%, it is **34.3377, 0.2937, 0.4243**.

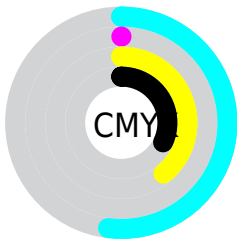
Distribution



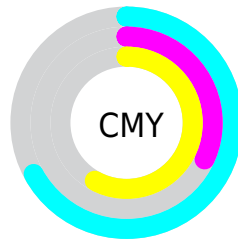
- Red (33%)
- Green (68%)
- Blue (42%)



- Red (33%)
- Yellow (61%)
- Blue (68%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)





- Cyan (67%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1517, 0.2904, 0.4519 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 33.1517, 0.2904, 0.4519 by changing the saturation by 10% instead.


 33.1517, 0.2904,
0.4519


 33.1517, 0.2904,
0.4519


316.3327, 0.3045,
0.3829

 22.2427, 0.2856,
0.4720


 64.6123, 0.2964,
0.4248


 14.0353, 0.2785,
0.4995


 85.9327, 0.2984,
0.4152

 8.1452, 0.2672,
0.5395


 111.4923, 0.2999,
0.4074

 4.1880, 0.2473,
0.6015

 141.6755, 0.3012,
0.4009

 1.7793, 0.2088,
0.7912

176.8668, 0.3022,
0.3953

 0.4742, 0.0000,
1.0000

217.4505, 0.3031,

 0.0000, 0.0000,

0.3906

0.0000

263.8110, 0.3039,
0.3865

■ 33.1517, 0.2904,
0.4519

■ 33.1517, 0.2904,
0.4519

■ 32.2081, 0.2882,
0.4801

■ 34.3377, 0.2937,
0.4243

■ 31.4857, 0.2872,
0.5077

■ 35.7774, 0.2977,
0.3982

■ 30.9667, 0.2877,
0.5332

■ 37.4860, 0.3022,
0.3742

■ 30.6283, 0.2896,
0.5553

■ 39.4766, 0.3069,
0.3524

■ 30.4551, 0.2915,
0.5695

■ 41.7613, 0.3116,
0.3331

■ 44.3515, 0.3163,
0.3161

■ 47.2580, 0.3208,
0.3012

■ 50.4910, 0.3251,
0.2882

■ 54.0605, 0.3292,
0.2769

Harmonies

Analogous

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



33.1517, 0.3652, 0.4733



33.1517, 0.2904, 0.4519



33.1517, 0.2257, 0.3795

Triad

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



33.1517, 0.2904, 0.4519



33.1517, 0.1993, 0.2135



33.1517, 0.4562, 0.3341

Complementary

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



33.1517, 0.2904, 0.4519



17.4215, 0.3493, 0.2328

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.



33.1517, 0.4000, 0.2805



33.1517, 0.2904, 0.4519



33.1517, 0.2476, 0.2144

Square

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



33.1517, 0.2904, 0.4519



33.1517, 0.1789, 0.2398



33.1517, 0.3202, 0.2383



33.1517, 0.4657, 0.3916

Rectangle

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



33.1517, 0.2904, 0.4519



33.1517, 0.1966, 0.3230



33.1517, 0.3202, 0.2383



33.1517, 0.4420, 0.3155

Sweetspot

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



33.1531, 0.2904, 0.4519



70.1013, 0.3050, 0.3608



37.5020, 0.3648, 0.4637



15.4193, 0.3040, 0.3652



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.



33.1531, 0.2904, 0.4519



58.1520, 0.2879, 0.4852



34.3556, 0.2603, 0.3678



8.9713, 0.3083, 0.3464



22.0964, 0.2910, 0.5677



0.6235, 0.2742, 0.5071

Inverse Universe

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



17.4215, 0.3493, 0.2328



26.4141, 0.3607, 0.2154



16.2217, 0.4219, 0.2958



8.1130, 0.3174, 0.3122



7.7071, 0.3957, 0.1954



0.2225, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 33.1517, 0.2904, 0.4519 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 33.1517, 0.2904, 0.4519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

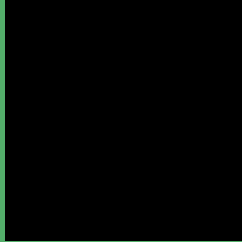
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1517, 0.2904, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 33.1517, 0.2904, 0.4519.



This preview shows how white text looks on a background with the Yxy color 33.1517, 0.2904, 0.4519.

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

33.1517, 0.2904, 0.4519

Protanopia

32.7595, 0.3818, 0.4130

Deuteranopia

32.5400, 0.3885, 0.3798



Tritanopia

32.9316, 0.2508, 0.3064

Trichromacy



Original Color

33.1517, 0.2904, 0.4519



Protanomaly

32.1835, 0.3429, 0.4285



Deuteranomaly

31.4428, 0.3460, 0.4044



Tritanomaly

32.6519, 0.2649, 0.3562

Monochromacy



Original Color

33.1517, 0.2904, 0.4519



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.9107, 0.3028, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1517, 0.2904, 0.4519 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(83, 174, 106)` looks like.

```
.text, #text, p{  
    color:rgb(83, 174, 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(83, 174, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 174, 106) }
```

Border

The CSS property to change the border of an element to Yxy 33.1517, 0.2904, 0.4519 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(83, 174, 106) }
```

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

```
.border{ border-color:rgb(83, 174, 106) }
```

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

Here you see how a box with a 4 pixel rgb(83, 174, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 174, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 174, 106);  
box-shadow:4px 4px 4px 4px rgb(83, 174,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1517, 0.2904, 0.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 174, 106) }
```

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

```
.background{ background-color: rgb(83, 174,  
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