

Converting Colors

$Y_{xy}(33.2501, 0.3014, 0.5175)$

Have a look what the booklet for
Yxy(33.2501, 0.3014, 0.5175)
contains.

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Color

Yxy(33.1543, 0.3010, 0.5168)

Conversions

Conversions Part 1

Format	Color
Hex	44B149
RGB	68, 177, 73
RGB Percent	27%, 69%, 29%
CMY	0.7333, 0.3059, 0.7136
CMYK	0.62, 0.00, 0.59, 0.31
HSL	123°, 44%, 48%
HSV	123°, 62%, 69%
XYZ	19.3101, 33.1543, 11.6887
YIQ	132.5530, -31.5800, -55.4520

Conversions

Conversions Part 2

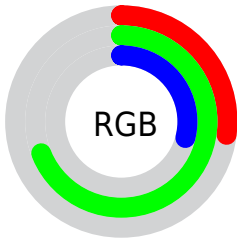
Format	Color
RYB	68, 172, 177
Decimal	4501833
CIELab	64.29, -52.12, 43.37
CIElCh	64, 67.808, 140.237
Yxy	33.1543, 0.3010, 0.5168
Android (android.graphics.Color)	4282691913 (0xFF44B149)
YUV	132.5530, -29.3596, -56.6130
Hunter-Lab	57.5798, -40.9025, 28.2700

Details

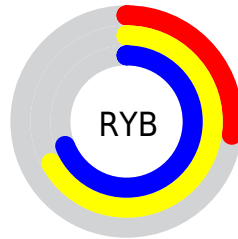
The Yxy color **33.1543, 0.3010, 0.5168** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.4619, 0.3258, 0.1940**, and the grayscale version is **23.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8383, 0.3070, 0.4753**, and **14.2164, 0.2948, 0.5814** is the 20% darker color. If you saturate the color by 10%, you get **32.4178, 0.2998, 0.5470**, and if you desaturate by 10%, it is **34.1465, 0.3026, 0.4834**.

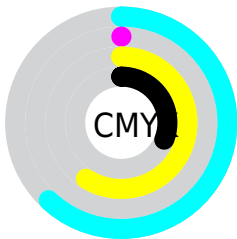
Distribution



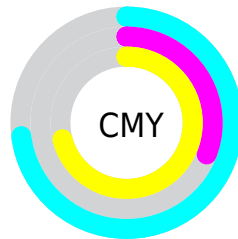
- Red (27%)
- Green (69%)
- Blue (29%)



- Red (27%)
- Yellow (67%)
- Blue (69%)



- Cyan (62%)
- Magenta (0%)
- Yellow (59%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1543, 0.3010, 0.5168 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 33.1543, 0.3010, 0.5168 by changing the saturation by 10% instead.

 33.1543, 0.3010,
0.5168


 33.1543, 0.3010,
0.5168


316.3444, 0.3128,
0.4105

 22.2447, 0.2952,
0.5471


 64.6164, 0.3072,
0.4752

 14.0368, 0.2855,
0.5879


 85.9376, 0.3089,
0.4605

 8.1463, 0.2683,
0.6442


 111.4981, 0.3101,
0.4484

 4.1887, 0.2457,
0.7543

 141.6824, 0.3110,
0.4383

 1.7797, 0.1148,
0.8852

 176.8747, 0.3117,
0.4297

 0.4744, 0.0000,
1.0000

217.4596, 0.3121,

 0.0000, 0.0000,

0.4224

0.0000

263.8214, 0.3125,
0.4160

■ 33.1543, 0.3010,
0.5168

■ 33.1543, 0.3010,
0.5168

■ 32.4178, 0.2998,
0.5470

■ 34.1465, 0.3026,
0.4834

■ 31.9100, 0.2992,
0.5715

■ 35.4104, 0.3045,
0.4491

■ 31.6050, 0.2992,
0.5885

■ 36.9655, 0.3065,
0.4159

■ 31.4626, 0.2992,
0.5970

■ 38.8284, 0.3086,
0.3851

■ 41.0145, 0.3106,
0.3572

■ 43.5380, 0.3124,
0.3326

■ 46.4124, 0.3141,
0.3111

■ 49.6504, 0.3157,
0.2925

■ 53.2641, 0.3171,
0.2765

Harmonies

Analogous

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



33.1543, 0.3965, 0.5150



33.1543, 0.3010, 0.5168



33.1543, 0.2135, 0.4276

Triad

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



33.1543, 0.3010, 0.5168



33.1543, 0.1588, 0.1849



33.1543, 0.4927, 0.3124

Complementary

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



33.1543, 0.3010, 0.5168



16.4619, 0.3258, 0.1940

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.



33.1543, 0.4038, 0.2502



33.1543, 0.3010, 0.5168



33.1543, 0.2088, 0.1804

Square

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



33.1543, 0.3010, 0.5168



33.1543, 0.1421, 0.2234



33.1543, 0.2946, 0.2035



33.1543, 0.5173, 0.3819

Rectangle

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



33.1543, 0.3010, 0.5168



33.1543, 0.1725, 0.3450



33.1543, 0.2946, 0.2035



33.1543, 0.4687, 0.2906

Sweetspot

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



33.1557, 0.3010, 0.5168



70.7528, 0.3092, 0.3756



40.7886, 0.3944, 0.4720



15.1030, 0.3087, 0.3839



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.



33.1557, 0.3010, 0.5168



57.6771, 0.2995, 0.5568



34.1843, 0.2692, 0.4205



9.4962, 0.3110, 0.3514



22.7979, 0.2990, 0.5964



0.7194, 0.2948, 0.5813

Inverse Universe

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



16.4619, 0.3258, 0.1940



25.1954, 0.3286, 0.1754



14.8125, 0.4100, 0.2582



8.6399, 0.3144, 0.3076



8.8467, 0.3326, 0.1606



0.2804, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 33.1543, 0.3010, 0.5168 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 33.1543, 0.3010, 0.5168 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 33.1543, 0.3010, 0.5168

Background



This preview shows how black text looks on a background with the Yxy color 33.1543, 0.3010, 0.5168.



This preview shows how white text looks on a background with the Yxy color 33.1543, 0.3010, 0.5168.

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

33.1543, 0.3010, 0.5168

Protanopia

32.6067, 0.4116, 0.4516

Deuteranopia

32.4087, 0.4258, 0.4163



Tritanopia

32.9600, 0.2474, 0.3078

Trichromacy



Original Color

33.1543, 0.3010, 0.5168



Protanomaly

31.6924, 0.3627, 0.4789



Deuteranomaly

31.1148, 0.3719, 0.4546



Tritanomaly

32.5742, 0.2679, 0.3818

Monochromacy



Original Color

33.1543, 0.3010, 0.5168



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.8938, 0.3074, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1543, 0.3010, 0.5168 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(68, 177, 73)` looks like.

```
.text, #text, p{  
    color:rgb(68, 177, 73)  
}
```

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(68, 177, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 177, 73) }
```

Border

The CSS property to change the border of an element to Yxy 33.1543, 0.3010, 0.5168 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(68, 177, 73) }
```

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

```
.border{ border-color:rgb(68, 177, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 177, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 177, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 177, 73);  
box-shadow:4px 4px 4px 4px rgb(68, 177,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1543, 0.3010, 0.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 177, 73) }
```

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

```
.background{ background-color: rgb(68, 177,  
73) }
```

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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