

# Converting Colors

$Y_{xy}(29.3082, 0.3243, 0.5807)$

Have a look what the booklet for  
Yxy(29.3082, 0.3243, 0.5807)  
contains.

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**Color**

**Yxy(29.1986, 0.3245, 0.5806)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	43A800
RGB	67, 168, 0
RGB Percent	26%, 66%, 0%
CMY	0.7371, 0.3412, 1.0000
CMYK	0.60, 0.00, 1.00, 0.34
HSL	96°, 100%, 33%
HSV	96°, 100%, 66%
XYZ	16.3192, 29.1986, 4.7726
YIQ	118.6490, -6.2680, -73.6600

# Conversions

## Conversions Part 2

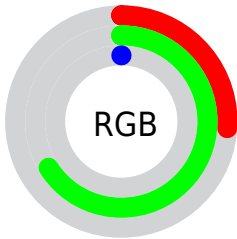
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 168, 101
Decimal	4433920
CIELab	60.96, -53.81, 62.17
CIELCh	61, 82.219, 130.878
Yxy	29.1986, 0.3245, 0.5806
Android (android.graphics.Color)	4282624000 (0xFF43A800)
YUV	118.6490, -58.4940, -45.2962
Hunter-Lab	54.0357, -40.6541, 32.5884

# Details

The Yxy color **29.1986, 0.3245, 0.5806** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.5912, 0.2240, 0.1008**, and the grayscale version is **18.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3177, 0.3308, 0.5265**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.2001, 0.3245, 0.5806**, and if you desaturate by 10%, it is **29.6286, 0.3294, 0.5683**.

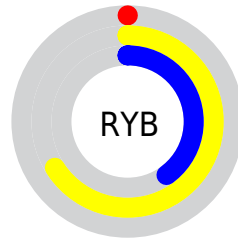
# Distribution



Red (26%)

Green (66%)

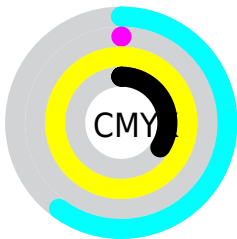
Blue (0%)



Red (0%)

Yellow (66%)

Blue (40%)

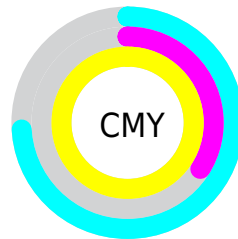


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (74%)

Magenta (34%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1986, 0.3245, 0.5806 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 29.1986, 0.3245, 0.5806 by changing the saturation by 10% instead.





 29.1986, 0.3245,  
0.5806


 29.1986, 0.3245,  
0.5806


298.1509, 0.3305,  
0.4391


 19.2311, 0.3162,  
0.6177


 58.3925, 0.3311,  
0.5268


 11.8374, 0.3012,  
0.6656


 78.3876, 0.3321,  
0.5071


 6.6331, 0.2733,  
0.7267


 102.4942, 0.3324,  
0.4907

 3.2337, 0.2163,  
0.7837

 131.0964, 0.3324,  
0.4770

 1.2549, 0.0000,  
1.0000

 164.5788, 0.3320,  
0.4653


 0.1059, 0.0000,  
1.0000


 203.3258, 0.3316,


 0.0000, 0.0000,

0.4553


0.0000


 247.7217, 0.3311,  
0.4467


 29.1986, 0.3245,  
0.5806


 29.1986, 0.3245,  
0.5806


 29.2001, 0.3245,  
0.5806

 29.6286, 0.3294,  
0.5683

 30.1560, 0.3332,  
0.5509

 30.7986, 0.3352,  
0.5280

 31.5651, 0.3354,  
0.5009

 32.4635, 0.3339,  
0.4711

■ 33.5004, 0.3310,  
0.4403

■ 34.6825, 0.3272,  
0.4099

■ 36.0156, 0.3226,  
0.3808

■ 37.5054, 0.3177,  
0.3538

# Harmonies

## Analogous

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



29.1986, 0.4359, 0.5295



29.1986, 0.3245, 0.5806



29.1986, 0.2158, 0.5055

# Triad

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



29.1986, 0.3245, 0.5806



29.1986, 0.1213, 0.1646



29.1986, 0.5108, 0.2796

# Complementary

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



29.1986, 0.3245, 0.5806



5.5912, 0.2240, 0.1008

# 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.



29.1986, 0.3816, 0.2136



29.1986, 0.3245, 0.5806



29.1986, 0.1646, 0.1510

# Square

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



29.1986, 0.3245, 0.5806



29.1986, 0.1125, 0.2206



29.1986, 0.2512, 0.1683



29.1986, 0.5643, 0.3546



# Rectangle

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



29.1986, 0.3245, 0.5806



29.1986, 0.1602, 0.3961



29.1986, 0.2512, 0.1683



29.1986, 0.4729, 0.2561

# Sweetspot

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



29.2001, 0.3245, 0.5806



62.8117, 0.3274, 0.4115



17.5933, 0.5109, 0.4325



13.4960, 0.3290, 0.4237



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



29.2001, 0.3245, 0.5806



52.8710, 0.3233, 0.5815



28.0450, 0.2979, 0.5924



8.5483, 0.3174, 0.3519



22.0790, 0.3252, 0.5800



0.5671, 0.3533, 0.5577



# Inverse Universe

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



5.5912, 0.2240, 0.1008



10.0182, 0.2224, 0.0999



10.5657, 0.3476, 0.1689



7.5150, 0.3076, 0.3063



4.2527, 0.2249, 0.1013

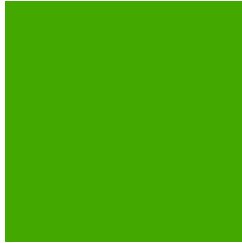


0.1320, 0.2573, 0.1191



# Previews

## White Background



This preview shows how the Yxy color 29.1986, 0.3245, 0.5806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

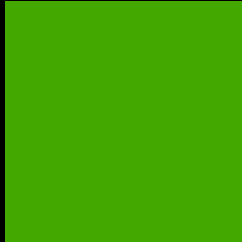
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1986, 0.3245, 0.5806 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 × Fail

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

**Yxy 29.1986, 0.3245, 0.5806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.1986, 0.3245, 0.5806.



This preview shows how white text looks on a background with the Yxy color 29.1986, 0.3245, 0.5806.

# 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

29.1986, 0.3245, 0.5806

### Protanopia

28.8668, 0.4397, 0.4891

### Deuteranopia

28.7769, 0.4602, 0.4519



## Tritanopia

29.0212, 0.2502, 0.3069

# Trichromacy



## Original Color

29.1986, 0.3245, 0.5806

## Protanomaly

28.1098, 0.3904, 0.5282

## Deuteranomaly

27.5333, 0.4045, 0.5054

## Tritanomaly

28.1091, 0.2884, 0.4281

# Monochromacy



## Original Color

29.1986, 0.3245, 0.5806

## Achromatopsia

18.4475, 0.3127, 0.3290

## Achromatomaly

21.1224, 0.3318, 0.4521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1986, 0.3245, 0.5806 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(67, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 168, 0)  
}
```

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(67, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 168, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1986, 0.3245, 0.5806 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(67, 168, 0) }
```

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

```
.border{ border-color:rgb(67, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(67, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(67, 168, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 29.1986, 0.3245, 0.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 168, 0) }
```

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

```
.background{ background-color: rgb(67, 168,  
0) }
```

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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