

# Converting Colors

$Y_{xy}(28.1233, 0.3245, 0.5811)$

Have a look what the booklet for  
Yxy(28.1233, 0.3245, 0.5811)  
contains.

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**Color**

**Yxy(28.0685, 0.3247, 0.5804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42A500
RGB	66, 165, 0
RGB Percent	26%, 65%, 0%
CMY	0.7411, 0.3529, 1.0000
CMYK	0.60, 0.00, 1.00, 0.35
HSL	96°, 100%, 32%
HSV	96°, 100%, 65%
XYZ	15.7027, 28.0685, 4.5894
YIQ	116.5890, -6.0390, -72.3030

# Conversions

## Conversions Part 2

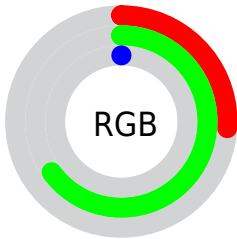
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 165, 99
Decimal	4367616
CIELab	59.95, -53.02, 61.35
CIELCh	60, 81.081, 130.834
Yxy	28.0685, 0.3247, 0.5804
Android (android.graphics.Color)	4282557696 (0xFF42A500)
YUV	116.5890, -57.4784, -44.3666
Hunter-Lab	52.9797, -39.8088, 31.9497

# Details

The Yxy color **28.0685, 0.3247, 0.5804** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.3684, 0.2239, 0.1007**, and the grayscale version is **17.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6296, 0.3313, 0.5261**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.0697, 0.3247, 0.5804**, and if you desaturate by 10%, it is **28.4828, 0.3296, 0.5680**.

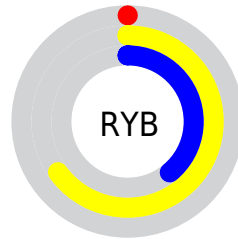
# Distribution



Red (26%)

Green (65%)

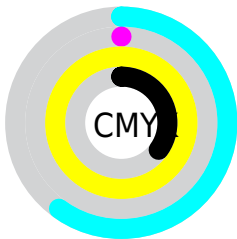
Blue (0%)



Red (0%)

Yellow (65%)

Blue (39%)

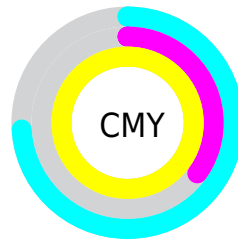


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (74%)

Magenta (35%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0685, 0.3247, 0.5804 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 28.0685, 0.3247, 0.5804 by changing the saturation by 10% instead.





 28.0685, 0.3247,  
0.5804


 28.0685, 0.3247,  
0.5804


292.7941, 0.3305,  
0.4382


 18.3773, 0.3162,  
0.6180


 56.5938, 0.3313,  
0.5260

 11.2212, 0.3012,  
0.6674


 76.1967, 0.3323,  
0.5062


 6.2158, 0.2718,  
0.7282

 99.8722, 0.3326,  
0.4898

 2.9768, 0.2129,  
0.7871

 128.0049, 0.3325,  
0.4761


 1.1196, 0.0000,  
1.0000


 160.9790, 0.3321,  
0.4644

 0.0000, 0.0000,  
0.0000


 199.1790, 0.3316,


0.4544


 242.9892, 0.3311,  
0.4457


 28.0685, 0.3247,  
0.5804


 28.0685, 0.3247,  
0.5804


 28.0697, 0.3247,  
0.5804

 28.4828, 0.3296,  
0.5680

 28.9903, 0.3333,  
0.5506

 29.6081, 0.3353,  
0.5277

 30.3446, 0.3355,  
0.5006

 31.2072, 0.3340,  
0.4708

■ 32.2025, 0.3311,  
0.4401

■ 33.3366, 0.3272,  
0.4097

■ 34.6152, 0.3227,  
0.3807

■ 36.0437, 0.3177,  
0.3537

# Harmonies

## Analogous

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



28.0685, 0.4360, 0.5293



28.0685, 0.3247, 0.5804



28.0685, 0.2160, 0.5056

# Triad

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



28.0685, 0.3247, 0.5804



28.0685, 0.1214, 0.1647



28.0685, 0.5105, 0.2795

# Complementary

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



28.0685, 0.3247, 0.5804



5.3684, 0.2239, 0.1007

# 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.



28.0685, 0.3814, 0.2136



28.0685, 0.3247, 0.5804



28.0685, 0.1646, 0.1511

# Square

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



28.0685, 0.3247, 0.5804



28.0685, 0.1126, 0.2208



28.0685, 0.2511, 0.1684



28.0685, 0.5641, 0.3545



# Rectangle

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



28.0685, 0.3247, 0.5804



28.0685, 0.1604, 0.3963



28.0685, 0.2511, 0.1684



28.0685, 0.4726, 0.2560

# Sweetspot

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



28.0697, 0.3247, 0.5804



59.5840, 0.3274, 0.4114



16.4111, 0.5155, 0.4289



12.8437, 0.3291, 0.4234



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



28.0697, 0.3247, 0.5804



50.1588, 0.3235, 0.5814



26.9419, 0.2983, 0.5938



8.0269, 0.3174, 0.3518



21.2621, 0.3254, 0.5798



0.4739, 0.3557, 0.5558



# Inverse Universe

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



5.3684, 0.2239, 0.1007



9.4931, 0.2223, 0.0998



10.2420, 0.3428, 0.1662



7.0601, 0.3077, 0.3064



4.0908, 0.2248, 0.1012



0.1124, 0.2606, 0.1209



# Previews

## White Background



This preview shows how the Yxy color 28.0685, 0.3247, 0.5804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

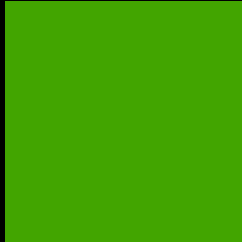
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.0685, 0.3247, 0.5804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

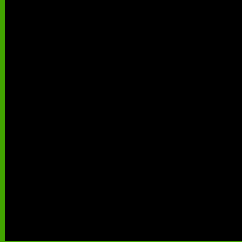
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0685, 0.3247, 0.5804**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.0685, 0.3247, 0.5804.



This preview shows how white text looks on a background with the Yxy color 28.0685, 0.3247, 0.5804.

# 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

28.0685, 0.3247, 0.5804

### Protanopia

27.6279, 0.4401, 0.4888

### Deuteranopia

27.5534, 0.4606, 0.4507



## Tritanopia

27.8628, 0.2507, 0.3065

# Trichromacy



## Original Color

28.0685, 0.3247, 0.5804

## Protanomaly

26.9685, 0.3910, 0.5277

## Deuteranomaly

26.4143, 0.4052, 0.5043

## Tritanomaly

26.9935, 0.2888, 0.4278

# Monochromacy



## Original Color

28.0685, 0.3247, 0.5804

## Achromatopsia

17.7888, 0.3127, 0.3290

## Achromatomaly

20.1413, 0.3324, 0.4524

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0685, 0.3247, 0.5804 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(66, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 165, 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(66, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 165, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0685, 0.3247, 0.5804 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(66, 165, 0) }
```

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

```
.border{ border-color:rgb(66, 165, 0) }
```

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

Here you see how a box with a 4 pixel rgb(66, 165, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 165, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 28.0685, 0.3247, 0.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 165, 0) }
```

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

```
.background{ background-color: rgb(66, 165,  
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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