

# Converting Colors

$Y_{xy}(26.3999, 0.3421, 0.5664)$

Have a look what the booklet for  
Yxy(26.3999, 0.3421, 0.5664)  
contains.

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**Color**

**Yxy(26.3385, 0.3418, 0.5668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	549E00
RGB	84, 158, 0
RGB Percent	33%, 62%, 0%
CMY	0.6706, 0.3804, 0.9999
CMYK	0.47, 0.00, 1.00, 0.38
HSL	88°, 100%, 31%
HSV	88°, 100%, 62%
XYZ	15.8830, 26.3385, 4.2472
YIQ	117.8620, 6.6140, -64.8260

# Conversions

## Conversions Part 2

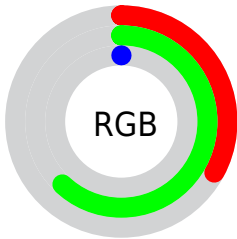
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 158, 74
Decimal	5545472
CIELab	58.36, -45.10, 60.37
CIElCh	58, 75.359, 126.761
Yxy	26.3385, 0.3418, 0.5668
Android (android.graphics.Color)	4283735552 (0xFF549E00)
YUV	117.8620, -58.1060, -29.6970
Hunter-Lab	51.3210, -34.5690, 31.0180

# Details

The Yxy color **26.3385, 0.3418, 0.5668** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.9267, 0.1975, 0.0862**, and the grayscale version is **18.2567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7191, 0.3448, 0.5152**, and **10.4465, 0.3081, 0.5936** is the 20% darker color. If you saturate the color by 10%, you get **26.3389, 0.3418, 0.5668**, and if you desaturate by 10%, it is **26.7363, 0.3461, 0.5550**.

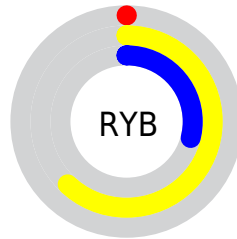
# Distribution



Red (33%)

Green (62%)

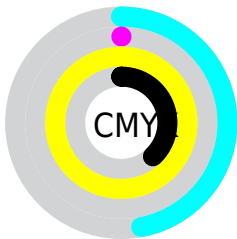
Blue (0%)



Red (0%)

Yellow (62%)

Blue (29%)

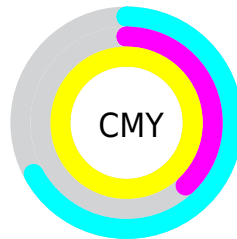


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (67%)

Magenta (38%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3385, 0.3418, 0.5668 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 26.3385, 0.3418, 0.5668 by changing the saturation by 10% instead.





 26.3385, 0.3418,  
0.5668


 26.3385, 0.3418,  
0.5668


284.4398, 0.3376,  
0.4327


 17.0770, 0.3360,  
0.6019


 53.8205, 0.3446,  
0.5158

 10.2894, 0.3251,  
0.6495


 72.8099, 0.3441,  
0.4971

 5.5913, 0.2978,  
0.7022

 95.8107, 0.3433,  
0.4816

 2.5982, 0.2422,  
0.7578

 123.2073, 0.3422,  
0.4686


 0.9258, 0.0000,  
1.0000


 155.3841, 0.3410,  
0.4576


 0.0000, 0.0000,  
0.0000


 192.7255, 0.3399,

0.4481


 235.6160, 0.3387,  
0.4399

 26.3385, 0.3418,  
0.5668


 26.3385, 0.3418,  
0.5668

 26.3389, 0.3418,  
0.5668

 26.7363, 0.3461,  
0.5550

 27.1986, 0.3489,  
0.5389

 27.7403, 0.3495,  
0.5179

 28.3674, 0.3479,  
0.4930

 29.0854, 0.3444,  
0.4654

■ 29.8991, 0.3395,  
0.4366

■ 30.8130, 0.3335,  
0.4078

■ 31.8312, 0.3268,  
0.3798

■ 32.9575, 0.3198,  
0.3534

# Harmonies

## Analogous

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



26.3385, 0.4475, 0.5122



26.3385, 0.3418, 0.5668



26.3385, 0.2347, 0.5125

# Triad

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



26.3385, 0.3418, 0.5668



26.3385, 0.1248, 0.1758



26.3385, 0.4871, 0.2731

# Complementary

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



26.3385, 0.3418, 0.5668



3.9267, 0.1975, 0.0862

# 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.



26.3385, 0.3602, 0.2108



26.3385, 0.3418, 0.5668



26.3385, 0.1623, 0.1573

# Square

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



26.3385, 0.3418, 0.5668



26.3385, 0.1211, 0.2382



26.3385, 0.2401, 0.1702



26.3385, 0.5516, 0.3458



# Rectangle

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



26.3385, 0.3418, 0.5668



26.3385, 0.1767, 0.4150



26.3385, 0.2401, 0.1702



26.3385, 0.4484, 0.2506

# Sweetspot

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



26.3396, 0.3418, 0.5668



55.8479, 0.3339, 0.4095



12.1340, 0.5486, 0.4026



12.4382, 0.3363, 0.4209



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



26.3396, 0.3418, 0.5668



47.7093, 0.3405, 0.5678



24.4891, 0.3009, 0.5993



7.5659, 0.3193, 0.3516



21.1175, 0.3424, 0.5664



0.4027, 0.3728, 0.5422



# Inverse Universe

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



3.9267, 0.1975, 0.0862



7.0113, 0.1956, 0.0851



9.2162, 0.3127, 0.1496



6.5799, 0.3057, 0.3064



3.1668, 0.1984, 0.0866



0.0816, 0.2442, 0.1119



# Previews

## White Background



This preview shows how the Yxy color 26.3385, 0.3418, 0.5668 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 26.3385, 0.3418, 0.5668 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 26.3385, 0.3418, 0.5668**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3385, 0.3418, 0.5668.



This preview shows how white text looks on a background with the Yxy color 26.3385, 0.3418, 0.5668.

# 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

26.3385, 0.3418, 0.5668

### Protanopia

26.0253, 0.4406, 0.4884

### Deuteranopia

25.8369, 0.4617, 0.4516



## Tritanopia

26.3137, 0.2623, 0.3081

# Trichromacy



## Original Color

26.3385, 0.3418, 0.5668

## Protanomaly

25.6927, 0.4007, 0.5201

## Deuteranomaly

24.9399, 0.4172, 0.4959

## Tritanomaly

25.6142, 0.3045, 0.4251

# Monochromacy



## Original Color

26.3385, 0.3418, 0.5668

## Achromatopsia

18.1164, 0.3127, 0.3290

## Achromatomaly

20.3472, 0.3413, 0.4451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3385, 0.3418, 0.5668 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(84, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 158, 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(84, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 158, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3385, 0.3418, 0.5668 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(84, 158, 0) }
```

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

```
.border{ border-color:rgb(84, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 158, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.3385, 0.3418, 0.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 158, 0) }
```

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

```
.background{ background-color: rgb(84, 158,  
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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