

# Converting Colors

$Y_{xy}(26.9509, 0.3849, 0.5326)$

Have a look what the booklet for  
Yxy(26.9509, 0.3849, 0.5326)  
contains.

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**Color**

**Yxy(26.9200, 0.3844, 0.5330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7A9900
RGB	122, 153, 0
RGB Percent	48%, 60%, 0%
CMY	0.5217, 0.4000, 1.0000
CMYK	0.20, 0.00, 1.00, 0.40
HSL	72°, 100%, 30%
HSV	72°, 100%, 60%
XYZ	19.4147, 26.9200, 4.1718
YIQ	126.2890, 30.6370, -54.1550

# Conversions

## Conversions Part 2

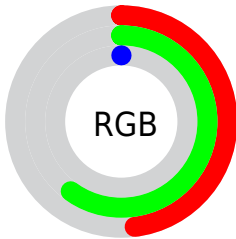
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 153, 31
Decimal	8034560
CIELab	58.90, -28.38, 61.71
CIELCh	59, 67.926, 114.696
Yxy	26.9200, 0.3844, 0.5330
Android (android.graphics.Color)	4286224640 (0xFF7A9900)
YUV	126.2890, -62.2605, -3.7615
Hunter-Lab	51.8845, -24.0047, 31.5518

# Details

The Yxy color **26.9200, 0.3844, 0.5330** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.5920, 0.1611, 0.0661**, and the grayscale version is **21.1755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5585, 0.3774, 0.4921**, and **10.7317, 0.3647, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **26.9213, 0.3844, 0.5330**, and if you desaturate by 10%, it is **27.1867, 0.3852, 0.5249**.

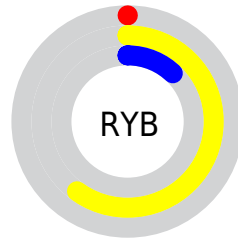
# Distribution



Red (48%)

Green (60%)

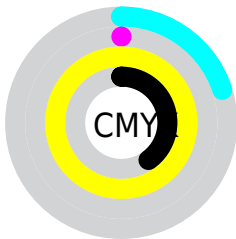
Blue (0%)



Red (0%)

Yellow (60%)

Blue (12%)

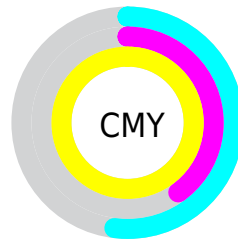


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (52%)

Magenta (40%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9200, 0.3844, 0.5330 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 26.9200, 0.3844, 0.5330 by changing the saturation by 10% instead.





 26.9200, 0.3844,  
0.5330


 26.9200, 0.3844,  
0.5330


287.2696, 0.3558,  
0.4231


 17.5131, 0.3857,  
0.5594


 54.7555, 0.3775,  
0.4928


 10.6010, 0.3849,  
0.5941


 73.9529, 0.3737,  
0.4776

 5.7992, 0.3713,  
0.6287

 97.1826, 0.3701,  
0.4648

 2.7234, 0.3367,  
0.6633

 124.8290, 0.3667,  
0.4539


 0.9891, 0.1977,  
0.8023


 157.2765, 0.3636,  
0.4445


 0.0000, 0.0000,  
0.0000


 194.9095, 0.3608,


0.4364


 238.1124, 0.3582,  
0.4293


 26.9200, 0.3844,  
0.5330


 26.9200, 0.3844,  
0.5330

 26.9213, 0.3844,  
0.5330

 27.1867, 0.3852,  
0.5249

 27.4856, 0.3841,  
0.5134

 27.8301, 0.3805,  
0.4975

 28.2249, 0.3746,  
0.4777

 28.6743, 0.3667,  
0.4549

■ 29.1821, 0.3571,  
0.4301

■ 29.7514, 0.3465,  
0.4043

■ 30.3854, 0.3353,  
0.3784

■ 31.0870, 0.3239,  
0.3531

# Harmonies

## Analogous

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



26.9200, 0.4740, 0.4707



26.9200, 0.3844, 0.5330



26.9200, 0.2832, 0.5243

# Triad

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



26.9200, 0.3844, 0.5330



26.9200, 0.1336, 0.2073



26.9200, 0.4271, 0.2540

# Complementary

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



26.9200, 0.3844, 0.5330



2.5920, 0.1611, 0.0661

# 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.



26.9200, 0.3093, 0.2023



26.9200, 0.3844, 0.5330



26.9200, 0.1559, 0.1740

# Square

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



26.9200, 0.3844, 0.5330



26.9200, 0.1446, 0.2874



26.9200, 0.2133, 0.1743



26.9200, 0.5143, 0.3202



# Rectangle

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



26.9200, 0.3844, 0.5330



26.9200, 0.2211, 0.4594



26.9200, 0.2133, 0.1743



26.9200, 0.3881, 0.2346

# Sweetspot

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



26.9213, 0.3844, 0.5330



53.2110, 0.3472, 0.4058



7.7325, 0.6155, 0.3495



11.6604, 0.3513, 0.4158



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



26.9213, 0.3844, 0.5330



48.1269, 0.3837, 0.5335



23.3640, 0.3150, 0.5881



7.1596, 0.3231, 0.3512



22.2613, 0.3847, 0.5328



0.3471, 0.4012, 0.5196



# Inverse Universe

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



2.5920, 0.1611, 0.0661



4.5768, 0.1597, 0.0654



5.4326, 0.2473, 0.1136



6.0837, 0.3018, 0.3062



2.1540, 0.1616, 0.0664



0.0451, 0.1973, 0.0861



# Previews

## White Background



This preview shows how the Yxy color 26.9200, 0.3844, 0.5330 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 26.9200, 0.3844, 0.5330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

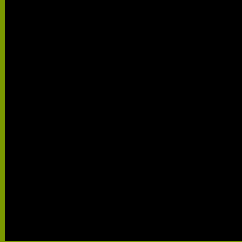
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.9200, 0.3844, 0.5330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.9200, 0.3844, 0.5330.



This preview shows how white text looks on a background with the Yxy color 26.9200, 0.3844, 0.5330.

# 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

26.9200, 0.3844, 0.5330

### Protanopia

26.8196, 0.4403, 0.4886

### Deuteranopia

26.5943, 0.4636, 0.4552



## Tritanopia

26.7968, 0.2949, 0.3109

# Trichromacy



## Original Color

26.9200, 0.3844, 0.5330

## Protanomaly

26.6688, 0.4193, 0.5053

## Deuteranomaly

26.3593, 0.4357, 0.4841

## Tritanomaly

26.1667, 0.3434, 0.4152

# Monochromacy



## Original Color

26.9200, 0.3844, 0.5330

## Achromatopsia

20.8637, 0.3127, 0.3290

## Achromatomaly

22.5475, 0.3583, 0.4318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.9200, 0.3844, 0.5330 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(122, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 153, 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(122, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 153, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.9200, 0.3844, 0.5330 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(122, 153, 0) }
```

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

```
.border{ border-color:rgb(122, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 153,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.9200, 0.3844, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 153, 0) }
```

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

```
.background{ background-color: rgb(122,  
153, 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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