

# Converting Colors

$Y_{xy}(26.2580, 0.2791, 0.5249)$

Have a look what the booklet for  
Yxy(26.2580, 0.2791, 0.5249)  
contains.

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**Color**

**Yxy(26.2580, 0.2791, 0.5249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A244
RGB	0, 162, 68
RGB Percent	0%, 64%, 27%
CMY	1.0000, 0.3647, 0.7332
CMYK	1.00, 0.00, 0.58, 0.36
HSL	145°, 100%, 32%
HSV	145°, 100%, 64%
XYZ	13.9619, 26.2580, 9.8049
YIQ	102.8460, -66.3780, -63.5780

# Conversions

## Conversions Part 2

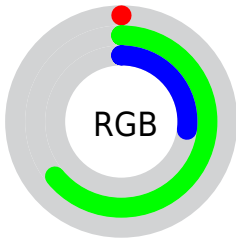
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 162
Decimal	41540
CIELab	58.28, -56.36, 38.43
CIELCh	58, 68.212, 145.713
Yxy	26.2580, 0.2791, 0.5249
Android (android.graphics.Color)	4278231620 (0xFF00A244)
YUV	102.8460, -17.1791, -90.1959
Hunter-Lab	51.2426, -41.0391, 24.5251

# Details

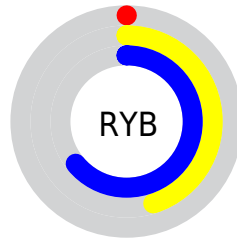
The Yxy color **26.2580, 0.2791, 0.5249** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.4899, 0.4605, 0.2311**, and the grayscale version is **13.5819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6484, 0.2903, 0.4775**, and **10.9777, 0.2946, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **26.2607, 0.2791, 0.5249**, and if you desaturate by 10%, it is **26.4968, 0.2764, 0.5053**.

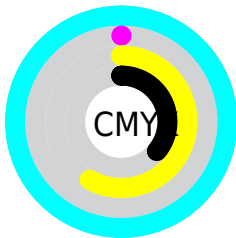
# Distribution



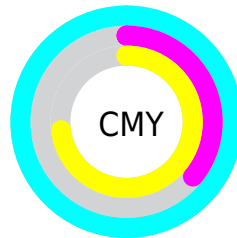
- Red (0%)
- Green (64%)
- Blue (27%)



- Red (0%)
- Yellow (45%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2580, 0.2791, 0.5249 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 26.2580, 0.2791, 0.5249 by changing the saturation by 10% instead.




 26.2580, 0.2791,  
0.5249


 26.2580, 0.2791,  
0.5249


284.0463, 0.3032,  
0.4091


 17.0168, 0.2693,  
0.5605


 53.6909, 0.2903,  
0.4780


 10.2464, 0.2537,  
0.6102


 72.6513, 0.2937,  
0.4619


 5.5627, 0.2275,  
0.6837

 95.6202, 0.2963,  
0.4488

 2.5810, 0.1751,  
0.8249

 122.9820, 0.2983,  
0.4381

 0.9171, 0.0000,  
1.0000

 155.1212, 0.2999,  
0.4291

 0.0000, 0.0000,  
0.0000

 192.4220, 0.3012,

0.4214

235.2689, 0.3023,  
0.4148

■ 26.2580, 0.2791,  
0.5249

■ 26.2580, 0.2791,  
0.5249

■ 26.2607, 0.2791,  
0.5249

■ 26.4968, 0.2764,  
0.5053

■ 26.8418, 0.2749,  
0.4842

■ 27.3347, 0.2754,  
0.4620

■ 27.9928, 0.2775,  
0.4397

■ 28.8307, 0.2813,  
0.4178

■ 29.8614, 0.2863,  
0.3969

■ 31.0966, 0.2922,  
0.3774

■ 32.5472, 0.2987,  
0.3596

■ 34.2232, 0.3057,  
0.3434

# Harmonies

## Analogous

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



26.2580, 0.3812, 0.5366



26.2580, 0.2791, 0.5249



26.2580, 0.1912, 0.4118

# Triad

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



26.2580, 0.2791, 0.5249



26.2580, 0.1558, 0.1720



26.2580, 0.5185, 0.3221

# Complementary

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



26.2580, 0.2791, 0.5249



8.4899, 0.4605, 0.2311

# 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.



26.2580, 0.4324, 0.2552



26.2580, 0.2791, 0.5249



26.2580, 0.2148, 0.1734

# Square

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



26.2580, 0.2791, 0.5249



26.2580, 0.1322, 0.2041



26.2580, 0.3130, 0.2025



26.2580, 0.5285, 0.3958



# Rectangle

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



26.2580, 0.2791, 0.5249



26.2580, 0.1536, 0.3217



26.2580, 0.3130, 0.2025



26.2580, 0.4972, 0.2989

# Sweetspot

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



26.2607, 0.2791, 0.5249



56.3104, 0.2918, 0.3785



28.2494, 0.3492, 0.5609



12.4365, 0.2894, 0.3862



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.



26.2607, 0.2791, 0.5249



47.6312, 0.2801, 0.5282



27.9972, 0.2318, 0.3545



7.9421, 0.3062, 0.3423



20.6952, 0.2787, 0.5233



0.4442, 0.2584, 0.4502



# Inverse Universe

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



8.4899, 0.4605, 0.2311



15.3696, 0.4638, 0.2329



7.7124, 0.6296, 0.3242



7.1516, 0.3199, 0.3160



6.6967, 0.4590, 0.2302



0.1499, 0.3973, 0.1963



# Previews

## White Background



This preview shows how the Yxy color 26.2580, 0.2791, 0.5249 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 26.2580, 0.2791, 0.5249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

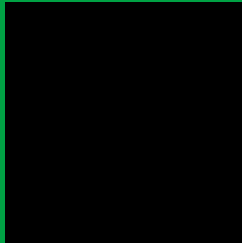
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.2580, 0.2791, 0.5249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.2580, 0.2791, 0.5249.



This preview shows how white text looks on a background with the Yxy color 26.2580, 0.2791, 0.5249.

# 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

26.2580, 0.2791, 0.5249

### Protanopia

25.7707, 0.4102, 0.4481

### Deuteranopia

25.8429, 0.4200, 0.4131



## Tritanopia

26.2268, 0.2347, 0.3071

# Trichromacy



## Original Color

26.2580, 0.2791, 0.5249



## Protanomaly

23.8903, 0.3369, 0.4877



## Deuteranomaly

23.6157, 0.3409, 0.4638



## Tritanomaly

25.8333, 0.2485, 0.3829

# Monochromacy



## Original Color

26.2580, 0.2791, 0.5249



## Achromatopsia

13.5633, 0.3127, 0.3290



## Achromatomaly

16.3117, 0.2837, 0.4095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2580, 0.2791, 0.5249 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(0, 162, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 68)  
}
```

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(0, 162, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2580, 0.2791, 0.5249 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(0, 162, 68) }
```

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

```
.border{ border-color:rgb(0, 162, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 68)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.2580, 0.2791, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 68) }
```

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

```
.background{ background-color: rgb(0, 162,  
68) }
```

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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