

# Converting Colors

$Yxy(23.1017, 0.1974, 0.5721)$

Have a look what the booklet for  
Yxy(23.1017, 0.1974, 0.5721)  
contains.

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# Color

**$Y_{xy}(26.2459, 0.2797, 0.5268)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A243
RGB	0, 162, 67
RGB Percent	0%, 64%, 26%
CMY	0.9992, 0.3647, 0.7373
CMYK	1.00, 0.00, 0.59, 0.36
HSL	145°, 100%, 32%
HSV	145°, 100%, 64%
XYZ	13.9350, 26.2459, 9.6404
YIQ	102.7320, -66.0570, -63.8890

# Conversions

## Conversions Part 2

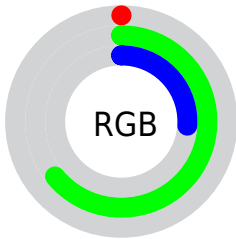
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 115, 162
Decimal	41539
CIELab	58.27, -56.48, 38.91
CIELCh	58, 68.585, 145.435
Yxy	26.2459, 0.2797, 0.5268
Android (android.graphics.Color)	4278231619 (0xFF00A243)
YUV	102.7320, -17.6159, -90.0960
Hunter-Lab	51.2308, -41.1009, 24.7045

# Details

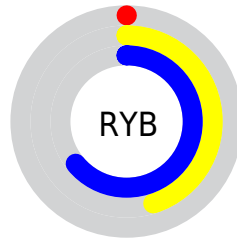
The Yxy color **26.2459, 0.2797, 0.5268** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.5155, 0.4574, 0.2294**, and the grayscale version is **13.5656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6245, 0.2908, 0.4790**, and **10.9718, 0.2954, 0.5835** is the 20% darker color. If you saturate the color by 10%, you get **26.2443, 0.2797, 0.5270**, and if you desaturate by 10%, it is **26.4831, 0.2769, 0.5071**.

# Distribution



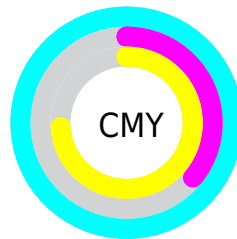
- Red (0%)
- Green (64%)
- Blue (26%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2459, 0.2797, 0.5268 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 26.2459, 0.2797, 0.5268 by changing the saturation by 10% instead.




 26.2459, 0.2797,  
0.5268


 26.2459, 0.2797,  
0.5268


283.9871, 0.3036,  
0.4099


 17.0077, 0.2699,  
0.5627


 53.6714, 0.2909,  
0.4794


 10.2400, 0.2542,  
0.6128


 72.6274, 0.2942,  
0.4632


 5.5584, 0.2279,  
0.6871

 95.5916, 0.2968,  
0.4500

 2.5784, 0.1741,  
0.8259

 122.9482, 0.2988,  
0.4391

 0.9158, 0.0000,  
1.0000

 155.0816, 0.3004,  
0.4300

 0.0000, 0.0000,  
0.0000

 192.3763, 0.3017,

0.4223

235.2167, 0.3027,  
0.4157

■ 26.2459, 0.2797,  
0.5268

■ 26.2459, 0.2797,  
0.5268

■ 26.2443, 0.2797,  
0.5270

■ 26.4831, 0.2769,  
0.5071

■ 26.8294, 0.2755,  
0.4858

■ 27.3243, 0.2759,  
0.4634

■ 27.9850, 0.2781,  
0.4408

■ 28.8261, 0.2818,  
0.4187

■ 29.8607, 0.2867,  
0.3975

■ 31.1004, 0.2925,  
0.3778

■ 32.5562, 0.2990,  
0.3598

■ 34.2380, 0.3058,  
0.3434

# Harmonies

## Analogous

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



26.2459, 0.3822, 0.5372



26.2459, 0.2797, 0.5268



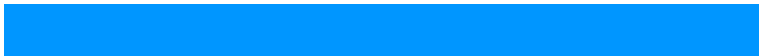
26.2459, 0.1912, 0.4136

# Triad

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



26.2459, 0.2797, 0.5268



26.2459, 0.1548, 0.1715



26.2459, 0.5191, 0.3213

# Complementary

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



26.2459, 0.2797, 0.5268



8.5155, 0.4574, 0.2294

# 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.



26.2459, 0.4319, 0.2543



26.2459, 0.2797, 0.5268



26.2459, 0.2136, 0.1726

# Square

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



26.2459, 0.2797, 0.5268



26.2459, 0.1314, 0.2040



26.2459, 0.3119, 0.2016



26.2459, 0.5298, 0.3951



# Rectangle

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



26.2459, 0.2797, 0.5268



26.2459, 0.1532, 0.3227



26.2459, 0.3119, 0.2016



26.2459, 0.4975, 0.2980

# Sweetspot

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



26.2470, 0.2797, 0.5268



56.2929, 0.2921, 0.3791



28.3977, 0.3518, 0.5588



12.4322, 0.2897, 0.3869



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.



26.2470, 0.2797, 0.5268



47.6065, 0.2807, 0.5304



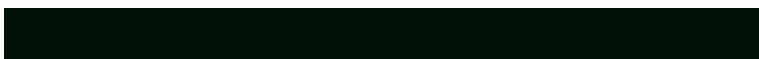
27.9115, 0.2333, 0.3599



7.9413, 0.3063, 0.3425



20.6842, 0.2793, 0.5254



0.4439, 0.2589, 0.4520



# Inverse Universe

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



8.5155, 0.4574, 0.2294



15.4072, 0.4609, 0.2312



7.7242, 0.6268, 0.3228



7.1525, 0.3197, 0.3159



6.7130, 0.4561, 0.2286



0.1501, 0.3958, 0.1954



# Previews

## White Background



This preview shows how the Yxy color 26.2459, 0.2797, 0.5268 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 26.2459, 0.2797, 0.5268 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 26.2459, 0.2797, 0.5268**

## Background



This preview shows how black text looks on a background with the Yxy color 26.2459, 0.2797, 0.5268.



This preview shows how white text looks on a background with the Yxy color 26.2459, 0.2797, 0.5268.

# 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

26.2459, 0.2797, 0.5268

### Protanopia

25.7600, 0.4110, 0.4493

### Deuteranopia

25.8291, 0.4209, 0.4144



## Tritanopia

26.2268, 0.2347, 0.3071

# Trichromacy



## Original Color

26.2459, 0.2797, 0.5268



## Protanomaly

23.8790, 0.3376, 0.4893



## Deuteranomaly

23.6025, 0.3417, 0.4655



## Tritanomaly

25.8333, 0.2485, 0.3829

# Monochromacy



## Original Color

26.2459, 0.2797, 0.5268



## 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 26.2459, 0.2797, 0.5268 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2459, 0.2797, 0.5268 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, 67) }
```

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

```
.border{ border-color:rgb(0, 162, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 67)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.2459, 0.2797, 0.5268 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, 67) }
```

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

```
.background{ background-color: rgb(0, 162,  
67) }
```

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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