

Converting Colors

$Yxy(26.8695, 0.2804, 0.5296)$

Have a look what the booklet for
Yxy(26.8695, 0.2804, 0.5296)
contains.

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Color

Yxy(26.9443, 0.2806, 0.5303)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A442 |
| RGB | 0, 164, 66 |
| RGB Percent | 0%, 64%, 26% |
| CMY | 1.0000, 0.3568, 0.7411 |
| CMYK | 1.00, 0.00, 0.60, 0.36 |
| HSL | 144°, 100%, 32% |
| HSV | 144°, 100%, 64% |
| XYZ | 14.2572, 26.9443, 9.6081 |
| YIQ | 103.7920, -66.2860, -65.2460 |

Conversions

Conversions Part 2

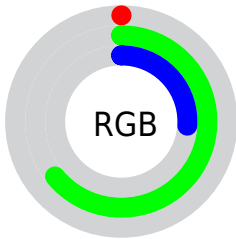
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 117, 164 |
| Decimal | 42050 |
| CIELab | 58.92, -57.28, 40.14 |
| CIElCh | 59, 69.940, 144.980 |
| Yxy | 26.9443, 0.2806, 0.5303 |
| Android (android.graphics.Color) | 4278232130 (0xFF00A442) |
| YUV | 103.7920, -18.6315, -91.0256 |
| Hunter-Lab | 51.9079, -41.8116, 25.3610 |

Details

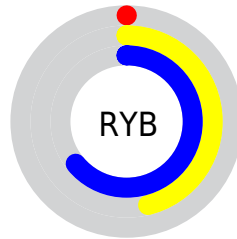
The Yxy color **26.9443, 0.2806, 0.5303** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.7746, 0.4536, 0.2273**, and the grayscale version is **13.8509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6949, 0.2919, 0.4821**, and **11.1809, 0.2962, 0.5863** is the 20% darker color. If you saturate the color by 10%, you get **26.9470, 0.2806, 0.5303**, and if you desaturate by 10%, it is **27.1864, 0.2778, 0.5105**.

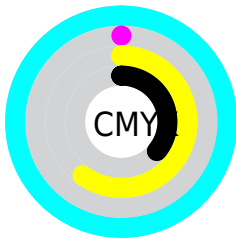
Distribution



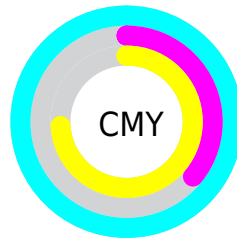
- Red (0%)
- Green (64%)
- Blue (26%)



- Red (0%)
- Yellow (46%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9443, 0.2806, 0.5303 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 26.9443, 0.2806, 0.5303 by changing the saturation by 10% instead.


 26.9443, 0.2806,
0.5303


 26.9443, 0.2806,
0.5303


287.3873, 0.3042,
0.4118


 17.5314, 0.2708,
0.5664


 54.7945, 0.2917,
0.4825


 10.6141, 0.2552,
0.6164


 74.0005, 0.2950,
0.4660

 5.8080, 0.2291,
0.6901

 97.2398, 0.2975,
0.4526

 2.7287, 0.1785,
0.8215

 124.8966, 0.2995,
0.4415

 0.9918, 0.0000,
1.0000

 157.3553, 0.3010,
0.4323

 0.0000, 0.0000,
0.0000

 195.0004, 0.3023,

0.4244

238.2163, 0.3033,
0.4177

■ 26.9443, 0.2806,
0.5303

■ 26.9443, 0.2806,
0.5303

■ 26.9470, 0.2806,
0.5303

■ 27.1864, 0.2778,
0.5105

■ 27.5392, 0.2763,
0.4890

■ 28.0453, 0.2766,
0.4663

■ 28.7223, 0.2787,
0.4433

■ 29.5855, 0.2823,
0.4207

■ 30.6485, 0.2871,
0.3991

■ 31.9233, 0.2928,
0.3790

■ 33.4212, 0.2992,
0.3605

■ 35.1526, 0.3059,
0.3439

Harmonies

Analogous

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



26.9443, 0.3839, 0.5386



26.9443, 0.2806, 0.5303



26.9443, 0.1911, 0.4167

Triad

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



26.9443, 0.2806, 0.5303



26.9443, 0.1529, 0.1704



26.9443, 0.5204, 0.3198

Complementary

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



26.9443, 0.2806, 0.5303



8.7746, 0.4536, 0.2273

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.



26.9443, 0.4314, 0.2526



26.9443, 0.2806, 0.5303



26.9443, 0.2115, 0.1711

Square

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



26.9443, 0.2806, 0.5303



26.9443, 0.1299, 0.2036



26.9443, 0.3101, 0.1999



26.9443, 0.5321, 0.3939

Rectangle

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



26.9443, 0.2806, 0.5303



26.9443, 0.1525, 0.3244



26.9443, 0.3101, 0.1999



26.9443, 0.4982, 0.2965

Sweetspot

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



26.9470, 0.2806, 0.5303



57.7999, 0.2925, 0.3801



29.1725, 0.3517, 0.5589



12.4260, 0.2901, 0.3880



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.



26.9470, 0.2806, 0.5303



48.8702, 0.2816, 0.5336



28.6790, 0.2333, 0.3599



7.9401, 0.3064, 0.3427



20.6687, 0.2801, 0.5285



0.4435, 0.2596, 0.4547

Inverse Universe

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



8.7746, 0.4536, 0.2273



15.8837, 0.4567, 0.2290



7.9318, 0.6272, 0.3229



7.1537, 0.3196, 0.3157



6.7369, 0.4520, 0.2264



0.1505, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 26.9443, 0.2806, 0.5303 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 26.9443, 0.2806, 0.5303 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 26.9443, 0.2806, 0.5303

Background



This preview shows how black text looks on a background with the Yxy color 26.9443, 0.2806, 0.5303.



This preview shows how white text looks on a background with the Yxy color 26.9443, 0.2806, 0.5303.

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

26.9443, 0.2806, 0.5303

Protanopia

26.5336, 0.4123, 0.4517

Deuteranopia

26.4424, 0.4236, 0.4144



Tritanopia

26.9882, 0.2348, 0.3074

Trichromacy



Original Color

26.9443, 0.2806, 0.5303



Protanomaly

24.5520, 0.3386, 0.4927



Deuteranomaly

24.0337, 0.3436, 0.4658



Tritanomaly

26.5368, 0.2487, 0.3843

Monochromacy



Original Color

26.9443, 0.2806, 0.5303



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.8181, 0.2840, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9443, 0.2806, 0.5303 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, 164, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 66)  
}
```

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, 164, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 66) }
```

Border

The CSS property to change the border of an element to Yxy 26.9443, 0.2806, 0.5303 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, 164, 66) }
```

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

```
.border{ border-color:rgb(0, 164, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.9443, 0.2806, 0.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 66) }
```

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

```
.background{ background-color: rgb(0, 164,  
66) }
```

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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