

Converting Colors

$Yxy(26.5417, 0.2752, 0.5534)$

Have a look what the booklet for
Yxy(26.5417, 0.2752, 0.5534)
contains.

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Color

Yxy(26.8364, 0.2854, 0.5476)

Conversions

Conversions Part 1

Format	Color
Hex	00A438
RGB	0, 164, 56
RGB Percent	0%, 64%, 22%
CMY	1.0000, 0.3568, 0.7804
CMYK	1.00, 0.00, 0.66, 0.36
HSL	140°, 100%, 32%
HSV	140°, 100%, 64%
XYZ	13.9867, 26.8364, 8.1842
YIQ	102.6520, -63.0760, -68.3560

Conversions

Conversions Part 2

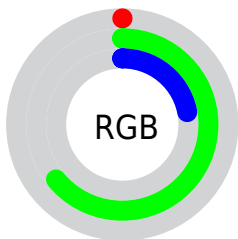
Format	Color
RYB	0, 122, 164
Decimal	42040
CIELab	58.82, -58.54, 44.60
CIELCh	59, 73.591, 142.696
Yxy	26.8364, 0.2854, 0.5476
Android (android.graphics.Color)	4278232120 (0xFF00A438)
YUV	102.6520, -22.9994, -90.0258
Hunter-Lab	51.8039, -42.4630, 26.8958

Details

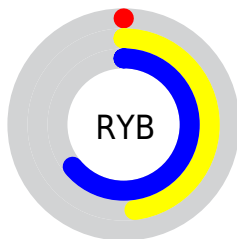
The Yxy color **26.8364, 0.2854, 0.5476** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.9761, 0.4294, 0.2139**, and the grayscale version is **13.5425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4933, 0.2962, 0.4950**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.8393, 0.2854, 0.5476**, and if you desaturate by 10%, it is **27.0703, 0.2827, 0.5275**.

Distribution



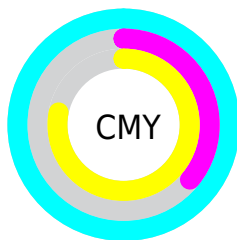
- Red (0%)
- Green (64%)
- Blue (22%)



- Red (0%)
- Yellow (48%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8364, 0.2854, 0.5476 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 26.8364, 0.2854, 0.5476 by changing the saturation by 10% instead.


 26.8364, 0.2854,
0.5476


 26.8364, 0.2854,
0.5476


286.8641, 0.3077,
0.4190


 17.4504, 0.2752,
0.5862


 54.6212, 0.2964,
0.4959


 10.5561, 0.2586,
0.6389


 73.7888, 0.2996,
0.4780

 5.7692, 0.2326,
0.7228

 96.9858, 0.3019,
0.4634

 2.7053, 0.1694,
0.8306

 124.5964, 0.3037,
0.4514

 0.9799, 0.0000,
1.0000

 157.0052, 0.3051,
0.4413

 0.0000, 0.0000,
0.0000

 194.5965, 0.3061,

0.4328

237.7547, 0.3070,
0.4254

■ 26.8364, 0.2854,
0.5476

■ 26.8364, 0.2854,
0.5476

■ 26.8393, 0.2854,
0.5476

■ 27.0703, 0.2827,
0.5275

■ 27.4182, 0.2810,
0.5050

■ 27.9230, 0.2811,
0.4806

■ 28.6030, 0.2828,
0.4554

■ 29.4736, 0.2859,
0.4305

■ 30.5487, 0.2902,
0.4067

■ 31.8406, 0.2952,
0.3843

■ 33.3607, 0.3009,
0.3639

■ 35.1198, 0.3067,
0.3454

Harmonies

Analogous

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



26.8364, 0.3925, 0.5445



26.8364, 0.2854, 0.5476



26.8364, 0.1906, 0.4331

Triad

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



26.8364, 0.2854, 0.5476



26.8364, 0.1438, 0.1653



26.8364, 0.5265, 0.3123

Complementary

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



26.8364, 0.2854, 0.5476



8.9761, 0.4294, 0.2139

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.



26.8364, 0.4279, 0.2441



26.8364, 0.2854, 0.5476



26.8364, 0.2008, 0.1641

Square

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



26.8364, 0.2854, 0.5476



26.8364, 0.1228, 0.2019



26.8364, 0.3002, 0.1915



26.8364, 0.5435, 0.3877

Rectangle

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



26.8364, 0.2854, 0.5476



26.8364, 0.1489, 0.3335



26.8364, 0.3002, 0.1915



26.8364, 0.5012, 0.2886

Sweetspot

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



26.8393, 0.2854, 0.5476



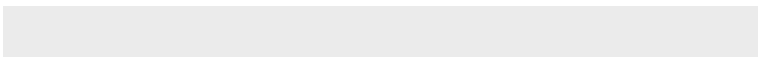
57.6468, 0.2949, 0.3855



29.8264, 0.3623, 0.5506



12.3896, 0.2928, 0.3943



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.



26.8393, 0.2854, 0.5476



48.6774, 0.2863, 0.5508



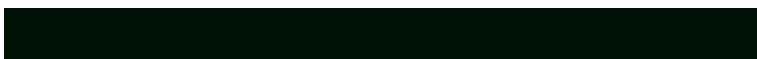
28.3505, 0.2395, 0.3821



7.9331, 0.3072, 0.3442



20.5851, 0.2849, 0.5458



0.4411, 0.2643, 0.4715

Inverse Universe

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



8.9761, 0.4294, 0.2139



16.2510, 0.4319, 0.2153



7.9740, 0.6140, 0.3156



7.1609, 0.3187, 0.3143



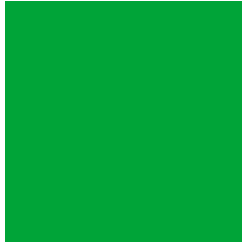
6.8909, 0.4280, 0.2132



0.1531, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 26.8364, 0.2854, 0.5476 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 26.8364, 0.2854, 0.5476 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 26.8364, 0.2854, 0.5476

Background



This preview shows how black text looks on a background with the Yxy color 26.8364, 0.2854, 0.5476.



This preview shows how white text looks on a background with the Yxy color 26.8364, 0.2854, 0.5476.

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

26.8364, 0.2854, 0.5476

Protanopia

26.4481, 0.4189, 0.4615

Deuteranopia

26.4422, 0.4332, 0.4248



Tritanopia

26.6939, 0.2349, 0.3056

Trichromacy



Original Color

26.8364, 0.2854, 0.5476



Protanomaly

24.4522, 0.3451, 0.5076



Deuteranomaly

23.9781, 0.3525, 0.4816



Tritanomaly

26.1125, 0.2512, 0.3910

Monochromacy



Original Color

26.8364, 0.2854, 0.5476



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.4974, 0.2876, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8364, 0.2854, 0.5476 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 56) }
```

Border

The CSS property to change the border of an element to Yxy 26.8364, 0.2854, 0.5476 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, 56) }
```

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

```
.border{ border-color:rgb(0, 164, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.8364, 0.2854, 0.5476 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, 56) }
```

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

```
.background{ background-color: rgb(0, 164,  
56) }
```

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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