

Converting Colors

$Yxy(27.2762, 0.2583, 0.4500)$

Have a look what the booklet for
Yxy(27.2762, 0.2583, 0.4500)
contains.

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Color

Yxy(27.2143, 0.2580, 0.4487)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A369 |
| RGB | 0, 163, 105 |
| RGB Percent | 0%, 64%, 41% |
| CMY | 0.9993, 0.3608, 0.5883 |
| CMYK | 1.00, 0.00, 0.36, 0.36 |
| HSL | 159°, 100%, 32% |
| HSV | 159°, 100%, 64% |
| XYZ | 15.6481, 27.2143, 17.7891 |
| YIQ | 107.6510, -78.5300, -52.5940 |

Conversions

Conversions Part 2

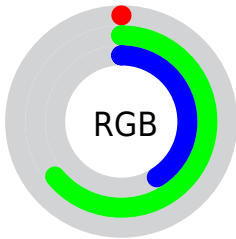
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 99, 163 |
| Decimal | 41833 |
| CIELab | 59.17, -49.98, 20.27 |
| CIELCh | 59, 53.935, 157.923 |
| Yxy | 27.2143, 0.2580, 0.4487 |
| Android (android.graphics.Color) | 4278231913 (0xFF00A369) |
| YUV | 107.6510, -1.3069, -94.4099 |
| Hunter-Lab | 52.1673, -37.7501, 16.2992 |

Details

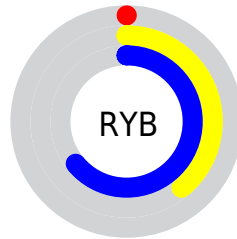
The Yxy color **27.2143, 0.2580, 0.4487** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0982, 0.5526, 0.2819**, and the grayscale version is **14.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2710, 0.2708, 0.4200**, and **11.4473, 0.2686, 0.4869** is the 20% darker color. If you saturate the color by 10%, you get **27.2128, 0.2580, 0.4489**, and if you desaturate by 10%, it is **27.4522, 0.2566, 0.4354**.

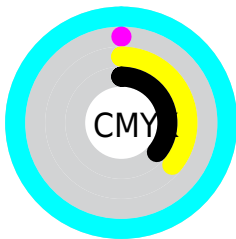
Distribution



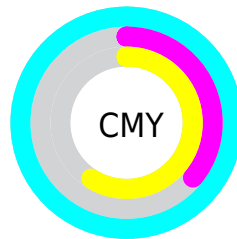
- Red (0%)
- Green (64%)
- Blue (41%)



- Red (0%)
- Yellow (39%)
- Blue (64%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2143, 0.2580, 0.4487 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 27.2143, 0.2580, 0.4487 by changing the saturation by 10% instead.

 27.2143, 0.2580,
0.4487


 27.2143, 0.2580,
0.4487


288.6932, 0.2898,
0.3793

 17.7342, 0.2482,
0.4700


 55.2276, 0.2708,
0.4207


 10.7594, 0.2343,
0.5003


 74.5295, 0.2752,
0.4111

 5.9053, 0.2132,
0.5461

 97.8743, 0.2788,
0.4033

 2.7876, 0.1780,
0.6224

 125.6462, 0.2818,
0.3968

 1.0219, 0.0000,
1.0000

 158.2296, 0.2843,
0.3914

 0.0000, 0.0000,
0.0000

 196.0090, 0.2864,

0.3868

239.3688, 0.2882,
0.3828

■ 27.2143, 0.2580,
0.4487

■ 27.2143, 0.2580,
0.4487

■ 27.2128, 0.2580,
0.4489

■ 27.4522, 0.2566,
0.4354

■ 27.7894, 0.2566,
0.4218

■ 28.2650, 0.2587,
0.4083

■ 28.8959, 0.2626,
0.3949

■ 29.6964, 0.2682,
0.3820

■ 30.6791, 0.2754,
0.3696

■ 31.8555, 0.2837,
0.3581

■ 33.2360, 0.2929,
0.3474

■ 34.8303, 0.3027,
0.3377

Harmonies

Analogous

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



27.2143, 0.3408, 0.4956



27.2143, 0.2580, 0.4487



27.2143, 0.1949, 0.3520

Triad

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



27.2143, 0.2580, 0.4487



27.2143, 0.2001, 0.1967



27.2143, 0.4871, 0.3540

Complementary

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



27.2143, 0.2580, 0.4487



8.0982, 0.5526, 0.2819

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.



27.2143, 0.4400, 0.2929



27.2143, 0.2580, 0.4487



27.2143, 0.2639, 0.2073

Square

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



27.2143, 0.2580, 0.4487



27.2143, 0.1673, 0.2137



27.2143, 0.3526, 0.2412



27.2143, 0.4765, 0.4179

Rectangle

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



27.2143, 0.2580, 0.4487



27.2143, 0.1711, 0.2901



27.2143, 0.3526, 0.2412



27.2143, 0.4777, 0.3330

Sweetspot

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



27.2154, 0.2580, 0.4487



56.8978, 0.2831, 0.3588



27.1520, 0.3212, 0.5831



12.5816, 0.2796, 0.3634



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.



27.2154, 0.2580, 0.4487



48.6965, 0.2587, 0.4512



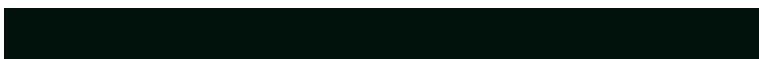
21.7815, 0.2130, 0.2867



7.9682, 0.3033, 0.3371



21.1582, 0.2577, 0.4476



0.4531, 0.2442, 0.3993

Inverse Universe

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



8.0982, 0.5526, 0.2819



14.4588, 0.5575, 0.2845



8.3568, 0.6268, 0.3403



7.1257, 0.3232, 0.3210



6.2976, 0.5505, 0.2806



0.1411, 0.4558, 0.2284

Previews

White Background



This preview shows how the Yxy color 27.2143, 0.2580, 0.4487 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 27.2143, 0.2580, 0.4487 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 27.2143, 0.2580, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 27.2143, 0.2580, 0.4487.



This preview shows how white text looks on a background with the Yxy color 27.2143, 0.2580, 0.4487.

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

27.2143, 0.2580, 0.4487

Protanopia

26.6666, 0.3734, 0.4019

Deuteranopia

26.7553, 0.3739, 0.3679



Tritanopia

27.1397, 0.2305, 0.3056

Trichromacy



Original Color

27.2143, 0.2580, 0.4487



Protanomaly

24.9371, 0.3063, 0.4260



Deuteranomaly

24.6652, 0.3054, 0.3993



Tritanomaly

26.8731, 0.2378, 0.3538

Monochromacy



Original Color

27.2143, 0.2580, 0.4487



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.7651, 0.2714, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2143, 0.2580, 0.4487 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, 163, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 105)  
}
```

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, 163, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 105) }
```

Border

The CSS property to change the border of an element to Yxy 27.2143, 0.2580, 0.4487 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, 163, 105) }
```

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

```
.border{ border-color:rgb(0, 163, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2143, 0.2580, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 105) }
```

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

```
.background{ background-color: rgb(0, 163,  
105) }
```

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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