

Converting Colors

$Yxy(24.7436, 0.2236, 0.5057)$

Have a look what the booklet for
Yxy(24.7436, 0.2236, 0.5057)
contains.

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Color

Yxy(26.5288, 0.2685, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	00A257
RGB	0, 162, 87
RGB Percent	0%, 64%, 34%
CMY	0.9993, 0.3647, 0.6589
CMYK	1.00, 0.00, 0.46, 0.36
HSL	152°, 100%, 32%
HSV	152°, 100%, 64%
XYZ	14.6413, 26.5288, 13.3598
YIQ	105.0120, -72.4770, -57.6690

Conversions

Conversions Part 2

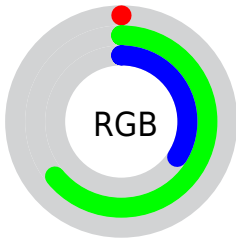
Format	Color
RYB	0, 105, 162
Decimal	41559
CIELab	58.54, -53.24, 29.13
CIELCh	59, 60.690, 151.319
Yxy	26.5288, 0.2685, 0.4865
Android (android.graphics.Color)	4278231639 (0xFF00A257)
YUV	105.0120, -8.8799, -92.0955
Hunter-Lab	51.5061, -39.3948, 20.6754

Details

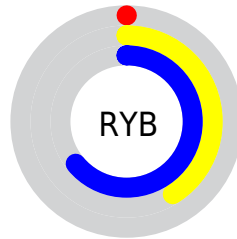
The Yxy color **26.5288, 0.2685, 0.4865** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.1960, 0.5088, 0.2578**, and the grayscale version is **14.1833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1016, 0.2801, 0.4487**, and **11.0838, 0.2823, 0.5362** is the 20% darker color. If you saturate the color by 10%, you get **26.5274, 0.2685, 0.4867**, and if you desaturate by 10%, it is **26.7714, 0.2662, 0.4695**.

Distribution



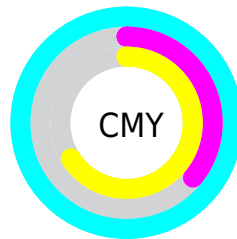
- Red (0%)
- Green (64%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5288, 0.2685, 0.4865 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 26.5288, 0.2685, 0.4865 by changing the saturation by 10% instead.


 26.5288, 0.2685,
0.4865


 26.5288, 0.2685,
0.4865


285.3684, 0.2962,
0.3939


 17.2197, 0.2589,
0.5153


 54.1268, 0.2803,
0.4489

 10.3912, 0.2446,
0.5562


 73.1845, 0.2842,
0.4360

 5.6591, 0.2215,
0.6177

 96.2604, 0.2873,
0.4256

 2.6389, 0.1866,
0.7567

 123.7390, 0.2897,
0.4170

 0.9463, 0.0000,
1.0000

 156.0048, 0.2918,
0.4098

 0.0000, 0.0000,
0.0000

 193.4420, 0.2935,

0.4037

236.4350, 0.2950,
0.3985

■ 26.5288, 0.2685,
0.4865

■ 26.5288, 0.2685,
0.4865

■ 26.5274, 0.2685,
0.4867

■ 26.7714, 0.2662,
0.4695

■ 27.1166, 0.2655,
0.4518

■ 27.6035, 0.2667,
0.4339

■ 28.2487, 0.2697,
0.4161

■ 29.0667, 0.2745,
0.3989

■ 30.0700, 0.2806,
0.3825

■ 31.2701, 0.2878,
0.3672

■ 32.6775, 0.2957,
0.3531

■ 34.3018, 0.3041,
0.3404

Harmonies

Analogous

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



26.5288, 0.3615, 0.5186



26.5288, 0.2685, 0.4865



26.5288, 0.1927, 0.3799

Triad

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



26.5288, 0.2685, 0.4865



26.5288, 0.1771, 0.1839



26.5288, 0.5036, 0.3382

Complementary

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



26.5288, 0.2685, 0.4865



8.1960, 0.5088, 0.2578

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.



26.5288, 0.4375, 0.2739



26.5288, 0.2685, 0.4865



26.5288, 0.2389, 0.1898

Square

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



26.5288, 0.2685, 0.4865



26.5288, 0.1490, 0.2085



26.5288, 0.3335, 0.2215



26.5288, 0.5029, 0.4079

Rectangle

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



26.5288, 0.2685, 0.4865



26.5288, 0.1620, 0.3046



26.5288, 0.3335, 0.2215



26.5288, 0.4885, 0.3160

Sweetspot

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



26.5299, 0.2685, 0.4865



56.6087, 0.2873, 0.3682



27.3654, 0.3329, 0.5738



12.5099, 0.2843, 0.3742



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.



26.5299, 0.2685, 0.4865



48.1163, 0.2694, 0.4897



26.5909, 0.2219, 0.3187



7.9556, 0.3047, 0.3396



20.9075, 0.2681, 0.4852



0.4487, 0.2506, 0.4223

Inverse Universe

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



8.1960, 0.5088, 0.2578



14.8293, 0.5134, 0.2602



7.8027, 0.6370, 0.3322



7.1381, 0.3216, 0.3186



6.4615, 0.5071, 0.2567



0.1453, 0.4247, 0.2113

Previews

White Background



This preview shows how the Yxy color 26.5288, 0.2685, 0.4865 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 26.5288, 0.2685, 0.4865 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 26.5288, 0.2685, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 26.5288, 0.2685, 0.4865.



This preview shows how white text looks on a background with the Yxy color 26.5288, 0.2685, 0.4865.

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

26.5288, 0.2685, 0.4865

Protanopia

26.1907, 0.3922, 0.4259

Deuteranopia

26.1832, 0.3977, 0.3901



Tritanopia

26.5277, 0.2325, 0.3054

Trichromacy



Original Color

26.5288, 0.2685, 0.4865



Protanomaly

24.3857, 0.3216, 0.4573



Deuteranomaly

23.8276, 0.3241, 0.4308



Tritanomaly

26.0144, 0.2427, 0.3662

Monochromacy



Original Color

26.5288, 0.2685, 0.4865



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.9968, 0.2774, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5288, 0.2685, 0.4865 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 87) }
```

Border

The CSS property to change the border of an element to Yxy 26.5288, 0.2685, 0.4865 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, 87) }
```

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

```
.border{ border-color:rgb(0, 162, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.5288, 0.2685, 0.4865 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, 87) }
```

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

```
.background{ background-color: rgb(0, 162,  
87) }
```

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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