

Converting Colors

$Yxy(27.0099, 0.2669, 0.4808)$

Have a look what the booklet for
Yxy(27.0099, 0.2669, 0.4808)
contains.

Yxy(26.9326, 0.2670, 0.4813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.9326, 0.2670, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	00A35A
RGB	0, 163, 90
RGB Percent	0%, 64%, 35%
CMY	1.0000, 0.3608, 0.6470
CMYK	1.00, 0.00, 0.45, 0.36
HSL	153°, 100%, 32%
HSV	153°, 100%, 64%
XYZ	14.9408, 26.9326, 14.0846
YIQ	105.9410, -73.7150, -57.2590

Conversions

Conversions Part 2

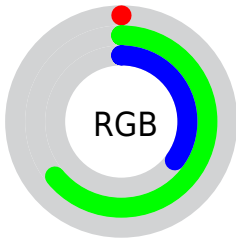
Format	Color
RYB	0, 105, 163
Decimal	41818
CIELab	58.91, -53.05, 28.01
CIELCh	59, 59.991, 152.166
Yxy	26.9326, 0.2670, 0.4813
Android (android.graphics.Color)	4278231898 (0xFF00A35A)
YUV	105.9410, -7.8589, -92.9103
Hunter-Lab	51.8966, -39.4298, 20.2365

Details

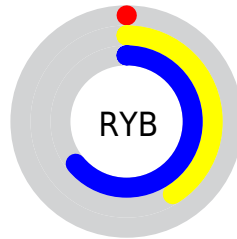
The Yxy color **26.9326, 0.2670, 0.4813** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2683, 0.5158, 0.2615**, and the grayscale version is **14.4343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7100, 0.2787, 0.4451**, and **11.3190, 0.2805, 0.5296** is the 20% darker color. If you saturate the color by 10%, you get **26.9350, 0.2670, 0.4813**, and if you desaturate by 10%, it is **27.1783, 0.2649, 0.4647**.

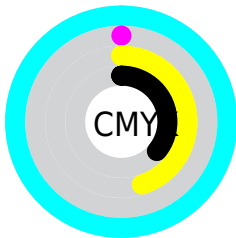
Distribution



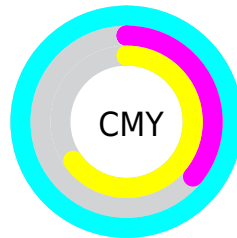
- Red (0%)
- Green (64%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9326, 0.2670, 0.4813 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 26.9326, 0.2670, 0.4813 by changing the saturation by 10% instead.


 26.9326, 0.2670,
0.4813


 26.9326, 0.2670,
0.4813


287.3306, 0.2953,
0.3920


 17.5226, 0.2575,
0.5090


 54.7757, 0.2789,
0.4451


 10.6078, 0.2434,
0.5482


 73.9776, 0.2829,
0.4327


 5.8038, 0.2208,
0.6073

 97.2122, 0.2860,
0.4227

 2.7261, 0.1857,
0.7284

 124.8640, 0.2885,
0.4144

 0.9905, 0.0000,
1.0000

 157.3174, 0.2907,
0.4074

 0.0000, 0.0000,
0.0000

 194.9567, 0.2924,

0.4015

238.1663, 0.2939,
0.3965

■ 26.9326, 0.2670,
0.4813

■ 26.9326, 0.2670,
0.4813

■ 26.9350, 0.2670,
0.4813

■ 27.1783, 0.2649,
0.4647

■ 27.5254, 0.2642,
0.4477

■ 28.0150, 0.2655,
0.4304

■ 28.6643, 0.2686,
0.4132

■ 29.4878, 0.2735,
0.3966

■ 30.4983, 0.2797,
0.3808

■ 31.7074, 0.2871,
0.3660

■ 33.1257, 0.2952,
0.3524

■ 34.7630, 0.3038,
0.3401

Harmonies

Analogous

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



26.9326, 0.3587, 0.5158



26.9326, 0.2670, 0.4813



26.9326, 0.1929, 0.3759

Triad

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



26.9326, 0.2670, 0.4813



26.9326, 0.1801, 0.1856



26.9326, 0.5015, 0.3404

Complementary

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



26.9326, 0.2670, 0.4813



8.2683, 0.5158, 0.2615

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.



26.9326, 0.4380, 0.2765



26.9326, 0.2670, 0.4813



26.9326, 0.2423, 0.1921

Square

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



26.9326, 0.2670, 0.4813



26.9326, 0.1514, 0.2092



26.9326, 0.3362, 0.2241



26.9326, 0.4994, 0.4094

Rectangle

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



26.9326, 0.2670, 0.4813



26.9326, 0.1631, 0.3024



26.9326, 0.3362, 0.2241



26.9326, 0.4872, 0.3184

Sweetspot

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



26.9350, 0.2670, 0.4813



56.6504, 0.2866, 0.3668



27.6270, 0.3307, 0.5756



12.5202, 0.2836, 0.3726



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.



26.9350, 0.2670, 0.4813



48.1933, 0.2678, 0.4842



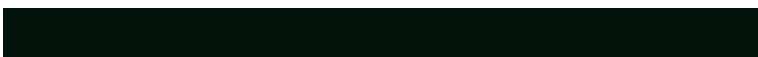
26.0395, 0.2204, 0.3135



7.9574, 0.3045, 0.3392



20.9409, 0.2666, 0.4798



0.4494, 0.2497, 0.4188

Inverse Universe

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



8.2683, 0.5158, 0.2615



14.7674, 0.5201, 0.2639



7.9642, 0.6359, 0.3333



7.1362, 0.3218, 0.3190



6.4343, 0.5136, 0.2603



0.1447, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 26.9326, 0.2670, 0.4813 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 26.9326, 0.2670, 0.4813 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 26.9326, 0.2670, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 26.9326, 0.2670, 0.4813.



This preview shows how white text looks on a background with the Yxy color 26.9326, 0.2670, 0.4813.

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

26.9326, 0.2670, 0.4813

Protanopia

26.5290, 0.3886, 0.4230

Deuteranopia

26.5158, 0.3938, 0.3871



Tritanopia

26.8933, 0.2324, 0.3055

Trichromacy



Original Color

26.9326, 0.2670, 0.4813



Protanomaly

24.7474, 0.3190, 0.4530



Deuteranomaly

24.1847, 0.3212, 0.4266



Tritanomaly

26.4094, 0.2419, 0.3640

Monochromacy



Original Color

26.9326, 0.2670, 0.4813



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.2921, 0.2758, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9326, 0.2670, 0.4813 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 90) }
```

Border

The CSS property to change the border of an element to Yxy 26.9326, 0.2670, 0.4813 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, 90) }
```

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

```
.border{ border-color:rgb(0, 163, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.9326, 0.2670, 0.4813 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, 90) }
```

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

```
.background{ background-color: rgb(0, 163,  
90) }
```

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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