

Converting Colors

$Yxy(16.0195, 0.2666, 0.4801)$

Have a look what the booklet for
Yxy(16.0195, 0.2666, 0.4801)
contains.

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Color

Yxy(16.1427, 0.2670, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	008146
RGB	0, 129, 70
RGB Percent	0%, 51%, 27%
CMY	1.0000, 0.4941, 0.7254
CMYK	1.00, 0.00, 0.46, 0.49
HSL	153°, 100%, 25%
HSV	153°, 100%, 51%
XYZ	8.9551, 16.1427, 8.4420
YIQ	83.7030, -57.9450, -45.6970

Conversions

Conversions Part 2

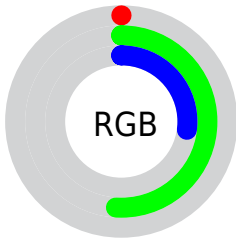
Format	Color
RYB	0, 84, 129
Decimal	33094
CIELab	47.16, -44.73, 23.62
CIELCh	47, 50.581, 152.166
Yxy	16.1427, 0.2670, 0.4813
Android (android.graphics.Color)	4278223174 (0xFF008146)
YUV	83.7030, -6.7556, -73.4075
Hunter-Lab	40.1780, -30.5262, 15.6669

Details

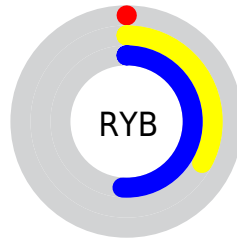
The Yxy color **16.1427, 0.2670, 0.4813** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **4.9830, 0.5073, 0.2568**, and the grayscale version is **8.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8611, 0.2807, 0.4405**, and **5.5190, 0.2829, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **16.1441, 0.2670, 0.4813**, and if you desaturate by 10%, it is **16.3072, 0.2654, 0.4645**.

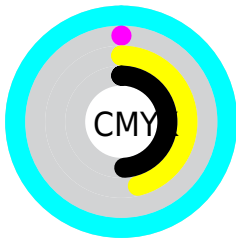
Distribution



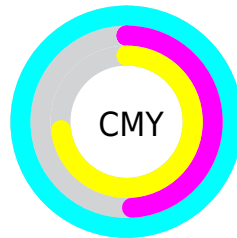
- Red (0%)
- Green (51%)
- Blue (27%)



- Red (0%)
- Yellow (33%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1427, 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 16.1427, 0.2670, 0.4813 by changing the saturation by 10% instead.


 16.1427, 0.2670,
0.4813


 16.1427, 0.2670,
0.4813


230.1823, 0.2971,
0.3858


 9.6252, 0.2553,
0.5152


 36.8458, 0.2805,
0.4402


 5.1512, 0.2363,
0.5672

 51.8001, 0.2847,
0.4269

 2.3362, 0.2059,
0.6737

 70.3355, 0.2879,
0.4164

 0.7928, 0.0000,
1.0000

 92.8364, 0.2905,
0.4079

 0.0000, 0.0000,
0.0000

 119.6871, 0.2926,
0.4009

 151.2720, 0.2944,

0.3950

187.9756, 0.2958,
0.3901

■ 16.1427, 0.2670,
0.4813

■ 16.1427, 0.2670,
0.4813

■ 16.1441, 0.2670,
0.4813

■ 16.3072, 0.2654,
0.4645

■ 16.5251, 0.2650,
0.4474

■ 16.8271, 0.2665,
0.4301

■ 17.2225, 0.2698,
0.4130

■ 17.7193, 0.2746,
0.3964

■ 18.3246, 0.2807,
0.3807

■ 19.0451, 0.2879,
0.3659

■ 19.8865, 0.2958,
0.3524

■ 20.8545, 0.3041,
0.3401

Harmonies

Analogous

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



16.1427, 0.3587, 0.5158



16.1427, 0.2670, 0.4813



16.1427, 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.



16.1427, 0.2670, 0.4813



16.1427, 0.1801, 0.1856



16.1427, 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.



16.1427, 0.2670, 0.4813



4.9830, 0.5073, 0.2568

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.



16.1427, 0.4380, 0.2765



16.1427, 0.2670, 0.4813



16.1427, 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.



16.1427, 0.2670, 0.4813



16.1427, 0.1514, 0.2092



16.1427, 0.3362, 0.2241



16.1427, 0.4994, 0.4094

Rectangle

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



16.1427, 0.2670, 0.4813



16.1427, 0.1631, 0.3024



16.1427, 0.3362, 0.2241



16.1427, 0.4872, 0.3184

Sweetspot

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



16.1441, 0.2670, 0.4813



34.0054, 0.2874, 0.3669



16.6686, 0.3342, 0.5728



7.5902, 0.2848, 0.3720



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.1441, 0.2670, 0.4813



28.8776, 0.2680, 0.4849



16.1775, 0.2219, 0.3189



4.8547, 0.3049, 0.3390



15.7405, 0.2670, 0.4811



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9830, 0.5073, 0.2568



8.8929, 0.5125, 0.2597



4.7608, 0.6364, 0.3329



4.3744, 0.3213, 0.3192



4.8590, 0.5070, 0.2567



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.1427, 0.2670, 0.4813 looks on a white 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

Black Background



This preview shows how the Yxy color 16.1427, 0.2670, 0.4813 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.1427, 0.2670, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 16.1427, 0.2670, 0.4813.



This preview shows how white text looks on a background with the Yxy color 16.1427, 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

16.1427, 0.2670, 0.4813

Protanopia

16.0961, 0.3878, 0.4233

Deuteranopia

16.0099, 0.3941, 0.3895



Tritanopia

16.2134, 0.2335, 0.3067

Trichromacy



Original Color

16.1427, 0.2670, 0.4813



Protanomaly

14.9699, 0.3208, 0.4528



Deuteranomaly

14.6738, 0.3230, 0.4277



Tritanomaly

16.0627, 0.2438, 0.3673

Monochromacy



Original Color

16.1427, 0.2670, 0.4813



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.4357, 0.2765, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1427, 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, 129, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 70)  
}
```

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, 129, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.1427, 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, 129, 70) }
```

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

```
.border{ border-color:rgb(0, 129, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1427, 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, 129, 70) }
```

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

```
.background{ background-color: rgb(0, 129,  
70) }
```

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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