

Converting Colors

$Y_{xy}(10.5408, 0.2707, 0.5502)$

Have a look what the booklet for
Yxy(10.5408, 0.2707, 0.5502)
contains.

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Color

Yxy(10.8525, 0.2841, 0.5427)

Conversions

Conversions Part 1

Format	Color
Hex	006C24
RGB	0, 108, 36
RGB Percent	0%, 42%, 14%
CMY	0.9998, 0.5765, 0.8589
CMYK	1.00, 0.00, 0.67, 0.58
HSL	140°, 100%, 21%
HSV	140°, 100%, 42%
XYZ	5.6812, 10.8525, 3.4635
YIQ	67.5000, -41.2560, -45.2880

Conversions

Conversions Part 2

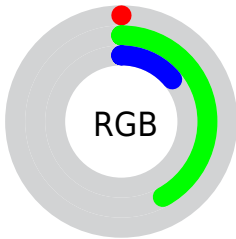
Format	Color
RYB	0, 81, 108
Decimal	27684
CIELab	39.33, -43.00, 32.03
CIELCh	39, 53.617, 143.319
Yxy	10.8525, 0.2841, 0.5427
Android (android.graphics.Color)	4278217764 (0xFF006C24)
YUV	67.5000, -15.5295, -59.1975
Hunter-Lab	32.9431, -26.8672, 16.8267

Details

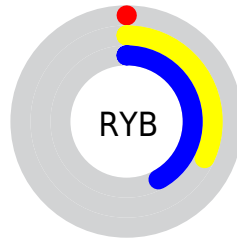
The Yxy color **10.8525, 0.2841, 0.5427** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6576, 0.4210, 0.2093**, and the grayscale version is **5.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5463, 0.2976, 0.4795**, and **3.1279, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.8525, 0.2841, 0.5428**, and if you desaturate by 10%, it is **10.9713, 0.2825, 0.5220**.

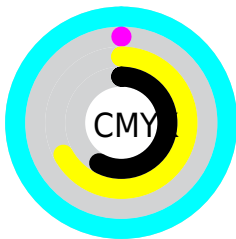
Distribution



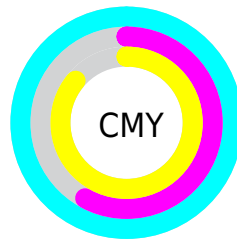
- Red (0%)
- Green (42%)
- Blue (14%)



- Red (0%)
- Yellow (32%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8525, 0.2841, 0.5427 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 10.8525, 0.2841, 0.5427 by changing the saturation by 10% instead.


 10.8525, 0.2841,
0.5427


 10.8525, 0.2841,
0.5427


196.6528, 0.3083,
0.4016


 5.9677, 0.2692,
0.5971

 27.3871, 0.2975,
0.4793


 2.8255, 0.2539,
0.7228


 39.8057, 0.3008,
0.4596

 1.0413, 0.0000,
1.0000

 55.5044, 0.3031,
0.4443

 0.0000, 0.0000,
0.0000


 74.8676, 0.3048,
0.4322

 98.2796, 0.3060,
0.4224


 126.1249, 0.3070,


0.4143


 158.7878, 0.3077,
0.4074


 10.8525, 0.2841,
0.5427

 10.8525, 0.2841,
0.5427


 10.8525, 0.2841,
0.5428

 10.9713, 0.2825,
0.5220

 11.1256, 0.2815,
0.4995

 11.3410, 0.2820,
0.4755

 11.6236, 0.2839,
0.4510

 11.9787, 0.2872,
0.4270

■ 12.4113, 0.2913,
0.4040

■ 12.9258, 0.2962,
0.3825

■ 13.5261, 0.3015,
0.3627

■ 14.2161, 0.3071,
0.3449

Harmonies

Analogous

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



10.8525, 0.3901, 0.5429



10.8525, 0.2841, 0.5427



10.8525, 0.1908, 0.4284

Triad

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



10.8525, 0.2841, 0.5427



10.8525, 0.1464, 0.1667



10.8525, 0.5247, 0.3144

Complementary

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



10.8525, 0.2841, 0.5427



3.6576, 0.4210, 0.2093

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.



10.8525, 0.4289, 0.2465



10.8525, 0.2841, 0.5427



10.8525, 0.2038, 0.1661

Square

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



10.8525, 0.2841, 0.5427



10.8525, 0.1248, 0.2024



10.8525, 0.3030, 0.1939



10.8525, 0.5403, 0.3895

Rectangle

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



10.8525, 0.2841, 0.5427



10.8525, 0.1500, 0.3309



10.8525, 0.3030, 0.1939



10.8525, 0.5003, 0.2908

Sweetspot

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



10.8529, 0.2841, 0.5427



22.6097, 0.2958, 0.3842



12.1739, 0.3670, 0.5467



5.4001, 0.2942, 0.3909



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.8529, 0.2841, 0.5427



19.0322, 0.2854, 0.5475



11.4337, 0.2404, 0.3853



3.4599, 0.3077, 0.3432



12.9395, 0.2846, 0.5444



65.7858, 0.2873, 0.5544

Inverse Universe

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



3.6576, 0.4210, 0.2093



6.3972, 0.4244, 0.2112



3.2390, 0.6012, 0.3086



3.1476, 0.3181, 0.3152



4.3562, 0.4222, 0.2100



22.0309, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 10.8525, 0.2841, 0.5427 looks on a white background.

Color Contrast Check

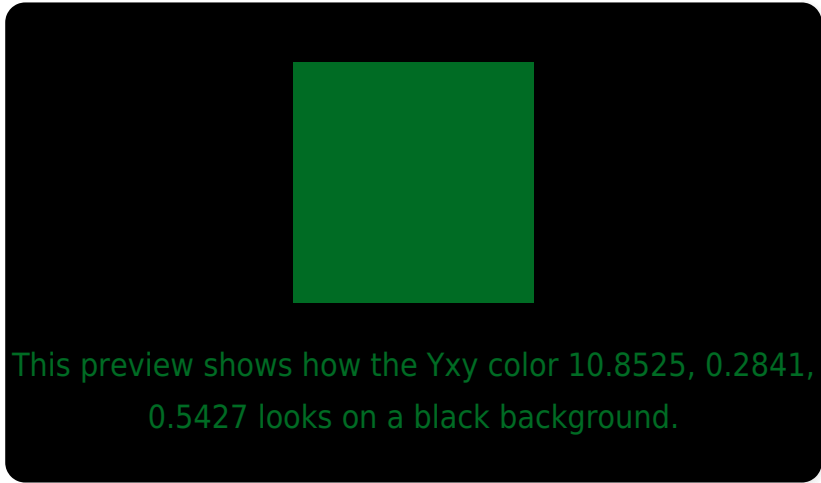
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.8525, 0.2841, 0.5427

Background



This preview shows how black text looks on a background with the Yxy color 10.8525, 0.2841, 0.5427.



This preview shows how white text looks on a background with the Yxy color 10.8525, 0.2841, 0.5427.

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

10.8525, 0.2841, 0.5427

Protanopia

10.8760, 0.4170, 0.4588

Deuteranopia

10.7240, 0.4294, 0.4245



Tritanopia

10.9470, 0.2379, 0.3081

Trichromacy



Original Color

10.8525, 0.2841, 0.5427



Protanomaly

10.0034, 0.3462, 0.5027



Deuteranomaly

9.7541, 0.3526, 0.4761



Tritanomaly

10.7567, 0.2537, 0.3926

Monochromacy



Original Color

10.8525, 0.2841, 0.5427



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

6.9856, 0.2889, 0.4202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8525, 0.2841, 0.5427 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, 108, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 36)  
}
```

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, 108, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 36) }
```

Border

The CSS property to change the border of an element to Yxy 10.8525, 0.2841, 0.5427 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, 108, 36) }
```

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

```
.border{ border-color:rgb(0, 108, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 36)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8525, 0.2841, 0.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 36) }
```

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

```
.background{ background-color: rgb(0, 108,  
36) }
```

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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