

Converting Colors

$Y_{xy}(10.8671, 0.2984, 0.5941)$

Have a look what the booklet for
Yxy(10.8671, 0.2984, 0.5941)
contains.

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Color

Yxy(10.9482, 0.2985, 0.5946)

Conversions

Conversions Part 1

Format	Color
Hex	006D05
RGB	0, 109, 5
RGB Percent	0%, 43%, 2%
CMY	1.0000, 0.5725, 0.9802
CMYK	1.00, 0.00, 0.95, 0.57
HSL	123°, 100%, 21%
HSV	123°, 100%, 43%
XYZ	5.4962, 10.9482, 1.9683
YIQ	64.5530, -31.5800, -55.4520

Conversions

Conversions Part 2

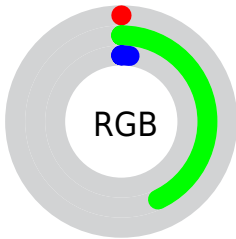
Format	Color
RYB	0, 104, 109
Decimal	27909
CIELab	39.49, -45.84, 43.19
CIELCh	39, 62.983, 136.709
Yxy	10.9482, 0.2985, 0.5946
Android (android.graphics.Color)	4278217989 (0xFF006D05)
YUV	64.5530, -29.3596, -56.6130
Hunter-Lab	33.0881, -28.2538, 19.6346

Details

The Yxy color **10.9482, 0.2985, 0.5946** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2498, 0.3323, 0.1604**, and the grayscale version is **5.2646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6843, 0.3126, 0.5185**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.9487, 0.2985, 0.5946**, and if you desaturate by 10%, it is **11.0438, 0.2991, 0.5801**.

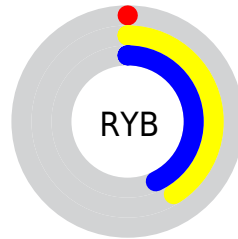
Distribution



Red (0%)

Green (43%)

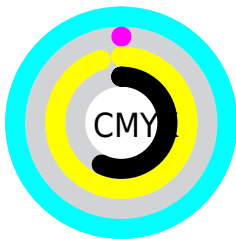
Blue (2%)



Red (0%)

Yellow (41%)

Blue (43%)

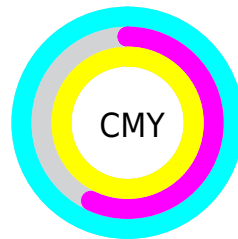


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (57%)



Cyan (100%)


Magenta (57%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9482, 0.2985, 0.5946 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 10.9482, 0.2985, 0.5946 by changing the saturation by 10% instead.


 10.9482, 0.2985,
0.5946


 10.9482, 0.2985,
0.5946


 197.3118, 0.3187,
0.4211

 6.0320, 0.2820,
0.6595

 27.5643, 0.3127,
0.5188


 2.8646, 0.2461,
0.7539

 40.0331, 0.3154,
0.4944


 1.0614, 0.0000,
1.0000

 55.7881, 0.3170,
0.4753

 0.0000, 0.0000,
0.0000


 75.2139, 0.3179,
0.4600


 98.6947, 0.3184,
0.4476

 126.6151, 0.3186,


0.4373


 159.3593, 0.3187,
0.4285


 10.9482, 0.2985,
0.5946

 10.9482, 0.2985,
0.5946

 10.9487, 0.2985,
0.5946

 11.0438, 0.2991,
0.5801

 11.1798, 0.2994,
0.5598

 11.3848, 0.3003,
0.5335

 11.6665, 0.3016,
0.5030

 12.0314, 0.3033,
0.4704

■ 12.4854, 0.3051,
0.4379

■ 13.0339, 0.3071,
0.4067

■ 13.6816, 0.3091,
0.3780

■ 14.4332, 0.3110,
0.3520

Harmonies

Analogous

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



10.9482, 0.4169, 0.5555



10.9482, 0.2985, 0.5946



10.9482, 0.1901, 0.4863

Triad

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



10.9482, 0.2985, 0.5946



10.9482, 0.1195, 0.1516



10.9482, 0.5415, 0.2902

Complementary

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



10.9482, 0.2985, 0.5946



4.2498, 0.3323, 0.1604

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.



10.9482, 0.4145, 0.2200



10.9482, 0.2985, 0.5946



10.9482, 0.1714, 0.1449

Square

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



10.9482, 0.2985, 0.5946



10.9482, 0.1036, 0.1981



10.9482, 0.2709, 0.1684



10.9482, 0.5754, 0.3680

Rectangle

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



10.9482, 0.2985, 0.5946



10.9482, 0.1396, 0.3646



10.9482, 0.2709, 0.1684



10.9482, 0.5069, 0.2656

Sweetspot

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



10.9487, 0.2985, 0.5946



23.2502, 0.3070, 0.4092



13.9632, 0.4138, 0.5096



5.3357, 0.3063, 0.4188



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.



10.9487, 0.2985, 0.5946



19.5994, 0.2989, 0.5960



11.2444, 0.2671, 0.4817



3.4468, 0.3111, 0.3494



12.8045, 0.2986, 0.5950



65.2088, 0.2994, 0.5979

Inverse Universe

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



4.2498, 0.3323, 0.1604



7.6047, 0.3326, 0.1606



3.4892, 0.4995, 0.2525



3.1616, 0.3143, 0.3094



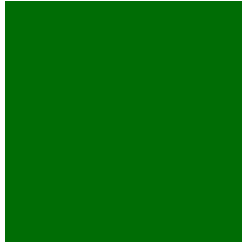
4.9696, 0.3324, 0.1605



25.2862, 0.3331, 0.1608

Previews

White Background



This preview shows how the Yxy color 10.9482, 0.2985, 0.5946 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 10.9482, 0.2985, 0.5946

Background



This preview shows how black text looks on a background with the Yxy color 10.9482, 0.2985, 0.5946.



This preview shows how white text looks on a background with the Yxy color 10.9482, 0.2985, 0.5946.

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

10.9482, 0.2985, 0.5946

Protanopia

10.8320, 0.4397, 0.4890

Deuteranopia

10.8273, 0.4543, 0.4475



Tritanopia

11.0140, 0.2385, 0.3057

Trichromacy



Original Color

10.9482, 0.2985, 0.5946



Protanomaly

10.1214, 0.3657, 0.5453



Deuteranomaly

9.8621, 0.3735, 0.5183



Tritanomaly

10.6297, 0.2641, 0.4237

Monochromacy



Original Color

10.9482, 0.2985, 0.5946



Achromatopsia

5.2861, 0.3127, 0.3290



Achromatomaly

6.5307, 0.3035, 0.4617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9482, 0.2985, 0.5946 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, 109, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 5)  
}
```

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, 109, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 5) }
```

Border

The CSS property to change the border of an element to Yxy 10.9482, 0.2985, 0.5946 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, 109, 5) }
```

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

```
.border{ border-color:rgb(0, 109, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 109, 5); box-shadow:4px  
4px 4px 4px rgb(0, 109, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9482, 0.2985, 0.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 5) }
```

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

```
.background{ background-color: rgb(0, 109,  
5) }
```

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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