

Converting Colors

$Y_{xy}(9.8201, 0.1871, 0.5283)$

Have a look what the booklet for
Yxy(9.8201, 0.1871, 0.5283)
contains.

Yxy(11.2131, 0.2698, 0.4913)	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(11.2131, 0.2698, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	006D37
RGB	0, 109, 55
RGB Percent	0%, 43%, 22%
CMY	1.0000, 0.5725, 0.7844
CMYK	1.00, 0.00, 0.50, 0.57
HSL	150°, 100%, 21%
HSV	150°, 100%, 43%
XYZ	6.1577, 11.2131, 5.4525
YIQ	70.2530, -47.6300, -39.9020

Conversions

Conversions Part 2

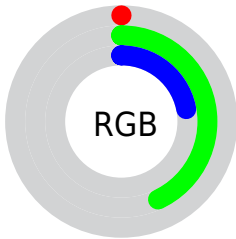
Format	Color
RYB	0, 72, 109
Decimal	27959
CIELab	39.94, -40.29, 22.73
CIELCh	40, 46.259, 150.577
Yxy	11.2131, 0.2698, 0.4913
Android (android.graphics.Color)	4278218039 (0xFF006D37)
YUV	70.2530, -7.5197, -61.6119
Hunter-Lab	33.4860, -25.7761, 13.7860

Details

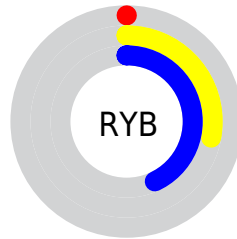
The Yxy color **11.2131, 0.2698, 0.4913** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5179, 0.4878, 0.2461**, and the grayscale version is **6.1879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1977, 0.2838, 0.4436**, and **3.2536, 0.2905, 0.5657** is the 20% darker color. If you saturate the color by 10%, you get **11.2137, 0.2698, 0.4913**, and if you desaturate by 10%, it is **11.3388, 0.2686, 0.4735**.

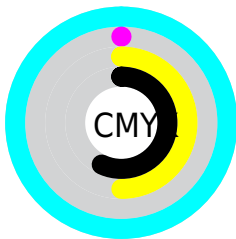
Distribution



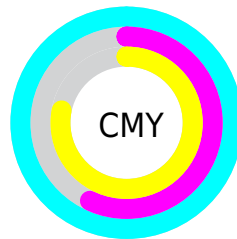
- Red (0%)
- Green (43%)
- Blue (22%)



- Red (0%)
- Yellow (28%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2131, 0.2698, 0.4913 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 11.2131, 0.2698, 0.4913 by changing the saturation by 10% instead.


 11.2131, 0.2698,
0.4913


 11.2131, 0.2698,
0.4913


199.1238, 0.2998,
0.3848


 6.2104, 0.2561,
0.5333

 28.0536, 0.2842,
0.4434


 2.9734, 0.2321,
0.6028

 40.6601, 0.2883,
0.4285

 1.1179, 0.0525,
0.9475

 56.5699, 0.2915,
0.4171

 0.0000, 0.0000,
0.0000

 76.1676, 0.2939,
0.4079

 99.8374, 0.2958,
0.4005

 127.9638, 0.2974,

0.3944

160.9311, 0.2987,
0.3892

11.2131, 0.2698,
0.4913

11.2131, 0.2698,
0.4913

11.2137, 0.2698,
0.4913

11.3388, 0.2686,
0.4735

11.4972, 0.2682,
0.4553

11.7138, 0.2696,
0.4368

11.9948, 0.2727,
0.4185

12.3453, 0.2773,
0.4008

■ 12.7702, 0.2830,
0.3840

■ 13.2736, 0.2897,
0.3684

■ 13.8596, 0.2971,
0.3539

■ 14.5318, 0.3048,
0.3408

Harmonies

Analogous

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



11.2131, 0.3640, 0.5212



11.2131, 0.2698, 0.4913



11.2131, 0.1925, 0.3837

Triad

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



11.2131, 0.2698, 0.4913



11.2131, 0.1744, 0.1824



11.2131, 0.5056, 0.3362

Complementary

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



11.2131, 0.2698, 0.4913



3.5179, 0.4878, 0.2461

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.



11.2131, 0.4370, 0.2716



11.2131, 0.2698, 0.4913



11.2131, 0.2359, 0.1877

Square

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



11.2131, 0.2698, 0.4913



11.2131, 0.1469, 0.2079



11.2131, 0.3310, 0.2190



11.2131, 0.5062, 0.4065

Rectangle

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



11.2131, 0.2698, 0.4913



11.2131, 0.1609, 0.3065



11.2131, 0.3310, 0.2190



11.2131, 0.4897, 0.3139

Sweetspot

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



11.2137, 0.2698, 0.4913



23.6865, 0.2891, 0.3696



11.7362, 0.3398, 0.5684



5.4436, 0.2870, 0.3744



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.



11.2137, 0.2698, 0.4913



20.0533, 0.2711, 0.4958



12.0422, 0.2247, 0.3287



3.4679, 0.3056, 0.3395



13.1102, 0.2702, 0.4926



66.6263, 0.2728, 0.5022

Inverse Universe

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



3.5179, 0.4878, 0.2461



6.2737, 0.4935, 0.2492



3.2514, 0.6401, 0.3300



3.1394, 0.3205, 0.3187



4.1095, 0.4895, 0.2470



20.7646, 0.5016, 0.2537

Previews

White Background



This preview shows how the Yxy color 11.2131, 0.2698, 0.4913 looks on a white background.

Color Contrast Check

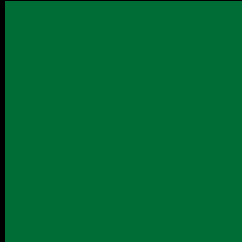
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2131, 0.2698, 0.4913 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 11.2131, 0.2698, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 11.2131, 0.2698, 0.4913.



This preview shows how white text looks on a background with the Yxy color 11.2131, 0.2698, 0.4913.

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

11.2131, 0.2698, 0.4913

Protanopia

11.1788, 0.3942, 0.4283

Deuteranopia

11.1493, 0.3992, 0.3945



Tritanopia

11.3404, 0.2358, 0.3083

Trichromacy



Original Color

11.2131, 0.2698, 0.4913

Protanomaly

10.3299, 0.3255, 0.4588

Deuteranomaly

10.2326, 0.3279, 0.4351

Tritanomaly

11.0915, 0.2453, 0.3681

Monochromacy



Original Color

11.2131, 0.2698, 0.4913

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.2802, 0.2796, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2131, 0.2698, 0.4913 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 55) }
```

Border

The CSS property to change the border of an element to Yxy 11.2131, 0.2698, 0.4913 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, 55) }
```

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

```
.border{ border-color:rgb(0, 109, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.2131, 0.2698, 0.4913 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, 55) }
```

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

```
.background{ background-color: rgb(0, 109,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor