

Converting Colors

$Y_{xy}(10.9935, 0.2804, 0.5142)$

Have a look what the booklet for
Yxy(10.9935, 0.2804, 0.5142)
contains.

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Color

Yxy(10.9935, 0.2804, 0.5142)

Conversions

Conversions Part 1

Format	Color
Hex	0B6C2E
RGB	11, 108, 46
RGB Percent	4%, 42%, 18%
CMY	0.9564, 0.5765, 0.8196
CMYK	0.90, 0.00, 0.57, 0.58
HSL	142°, 81%, 23%
HSV	142°, 90%, 42%
XYZ	5.9949, 10.9935, 4.3914
YIQ	71.9290, -37.9100, -39.8460

Conversions

Conversions Part 2

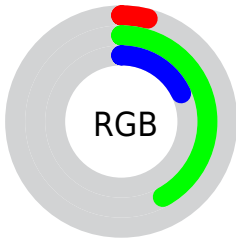
Format	Color
R_{YB}	11, 82, 108
Decimal	748590
CIE _{Lab}	39.57, -40.49, 27.22
CIE _{LCh}	40, 48.794, 146.089
Yxy	10.9935, 0.2804, 0.5142
Android (android.graphics.Color)	4278938670 (0xFF0B6C2E)
YUV	71.9290, -12.7830, -53.4347
Hunter-Lab	33.1564, -25.7498, 15.3568

Details

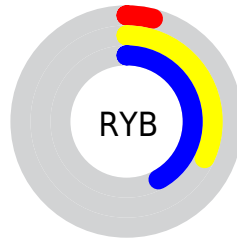
The Yxy color **10.9935, 0.2804, 0.5142** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9124, 0.4149, 0.2161**, and the grayscale version is **6.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4863, 0.2927, 0.4579**, and **3.1279, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.8739, 0.2820, 0.5348**, and if you desaturate by 10%, it is **11.1506, 0.2794, 0.4921**.

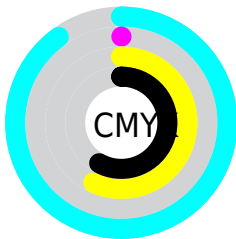
Distribution



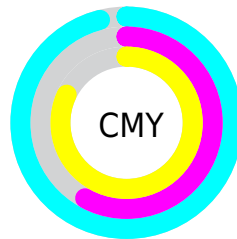
- Red (4%)
- Green (42%)
- Blue (18%)



- Red (4%)
- Yellow (32%)
- Blue (42%)



- Cyan (90%)
- Magenta (0%)
- Yellow (57%)
- Black (58%)





- Cyan (96%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9935, 0.2804, 0.5142 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 10.9935, 0.2804, 0.5142 by changing the saturation by 10% instead.


 10.9935, 0.2804,
0.5142


 10.9935, 0.2804,
0.5142


197.6230, 0.3052,
0.3922

 6.0625, 0.2672,
0.5620

 27.6481, 0.2931,
0.4593


 2.8831, 0.2465,
0.6507

 40.1406, 0.2966,
0.4423

 1.0710, 0.0169,
0.9831

 55.9222, 0.2990,
0.4291

 0.0000, 0.0000,
0.0000


 75.3775, 0.3009,
0.4187


 98.8908, 0.3023,
0.4102


 126.8466, 0.3035,


0.4032


 159.6292, 0.3044,
0.3973

 10.9935, 0.2804,
0.5142


 10.9935, 0.2804,
0.5142

 10.8739, 0.2820,
0.5348


 11.1506, 0.2794,
0.4921

 10.8705, 0.2821,
0.5354

 11.3678, 0.2801,
0.4688

 11.6516, 0.2823,
0.4453

 12.0073, 0.2857,
0.4222

 12.4398, 0.2901,
0.4002

■ 12.9534, 0.2953,
0.3797

■ 13.5521, 0.3010,
0.3609

■ 14.2396, 0.3069,
0.3438

■ 15.0194, 0.3129,
0.3286

Harmonies

Analogous

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



10.9935, 0.3792, 0.5288



10.9935, 0.2804, 0.5142



10.9935, 0.1954, 0.4065

Triad

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



10.9935, 0.2804, 0.5142



10.9935, 0.1614, 0.1771



10.9935, 0.5105, 0.3244

Complementary

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



10.9935, 0.2804, 0.5142



3.9124, 0.4149, 0.2161

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.



10.9935, 0.4287, 0.2589



10.9935, 0.2804, 0.5142



10.9935, 0.2196, 0.1786

Square

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



10.9935, 0.2804, 0.5142



10.9935, 0.1380, 0.2085



10.9935, 0.3148, 0.2073



10.9935, 0.5205, 0.3965

Rectangle

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



10.9935, 0.2804, 0.5142



10.9935, 0.1589, 0.3213



10.9935, 0.3148, 0.2073



10.9935, 0.4902, 0.3017

Sweetspot

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



10.9939, 0.2804, 0.5142



22.9379, 0.2964, 0.3758



12.2085, 0.3636, 0.5377



5.4926, 0.2951, 0.3807



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.



10.9939, 0.2804, 0.5142



19.0641, 0.2834, 0.5401



11.5952, 0.2388, 0.3693



3.4611, 0.3073, 0.3426



12.9615, 0.2825, 0.5370



65.8912, 0.2853, 0.5471

Inverse Universe

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



3.9124, 0.4149, 0.2161



6.3309, 0.4348, 0.2169



3.5030, 0.5751, 0.3105



3.1463, 0.3185, 0.3158



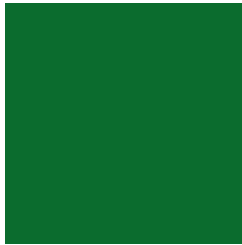
4.3114, 0.4324, 0.2155



21.7983, 0.4405, 0.2200

Previews

White Background



This preview shows how the Yxy color 10.9935, 0.2804, 0.5142 looks on a white background.

Color Contrast Check

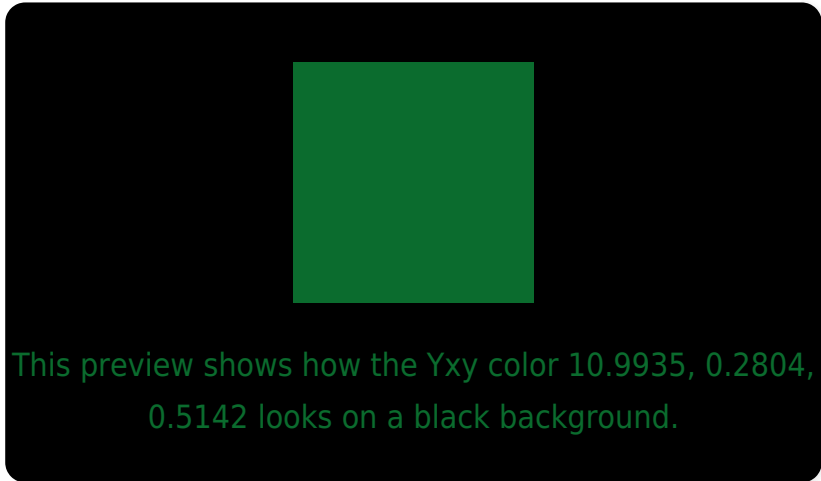
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9935, 0.2804, 0.5142

Background



This preview shows how black text looks on a background with the Yxy color 10.9935, 0.2804, 0.5142.



This preview shows how white text looks on a background with the Yxy color 10.9935, 0.2804, 0.5142.

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

10.9935, 0.2804, 0.5142

Protanopia

10.8724, 0.4052, 0.4446

Deuteranopia

10.9612, 0.4156, 0.4100



Tritanopia

10.9686, 0.2370, 0.3056

Trichromacy



Original Color

10.9935, 0.2804, 0.5142



Protanomaly

10.2119, 0.3423, 0.4769



Deuteranomaly

10.1653, 0.3478, 0.4534



Tritanomaly

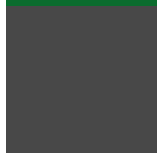
10.8958, 0.2514, 0.3770

Monochromacy



Original Color

10.9935, 0.2804, 0.5142



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.5340, 0.2895, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9935, 0.2804, 0.5142 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(11, 108, 46)` looks like.

```
.text, #text, p{  
    color:rgb(11, 108, 46)  
}
```

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(11, 108, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 108, 46) }
```

Border

The CSS property to change the border of an element to Yxy 10.9935, 0.2804, 0.5142 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(11, 108, 46) }
```

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

```
.border{ border-color:rgb(11, 108, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 108, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 108, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 108, 46);  
box-shadow:4px 4px 4px 4px rgb(11, 108,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9935, 0.2804, 0.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 108, 46) }
```

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

```
.background{ background-color: rgb(11, 108,  
46) }
```

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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