

Converting Colors

$Y_{xy}(10.5073, 0.1952, 0.5934)$

Have a look what the booklet for
Yxy(10.5073, 0.1952, 0.5934)
contains.

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Color

Yxy(11.9567, 0.2835, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	007127
RGB	0, 113, 39
RGB Percent	0%, 44%, 15%
CMY	0.9994, 0.5569, 0.8471
CMYK	1.00, 0.00, 0.65, 0.56
HSL	141°, 100%, 22%
HSV	141°, 100%, 44%
XYZ	6.2726, 11.9567, 3.8963
YIQ	70.7770, -43.5940, -46.9700

Conversions

Conversions Part 2

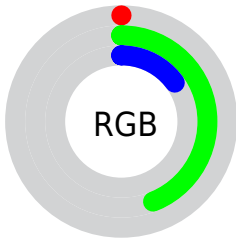
Format	Color
RYB	0, 84, 113
Decimal	28967
CIELab	41.15, -44.27, 32.62
CIELCh	41, 54.990, 143.611
Yxy	11.9567, 0.2835, 0.5404
Android (android.graphics.Color)	4278219047 (0xFF007127)
YUV	70.7770, -15.6661, -62.0714
Hunter-Lab	34.5785, -28.1320, 17.5241

Details

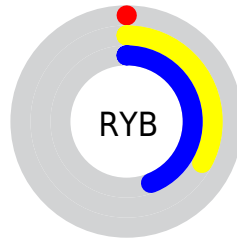
The Yxy color **11.9567, 0.2835, 0.5404** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.0102, 0.4257, 0.2120**, and the grayscale version is **6.3015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4164, 0.2964, 0.4796**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.9556, 0.2835, 0.5407**, and if you desaturate by 10%, it is **12.0845, 0.2817, 0.5198**.

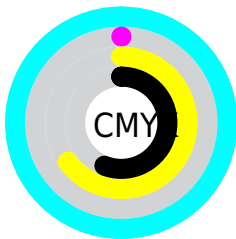
Distribution



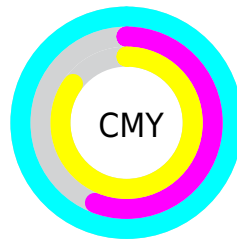
- Red (0%)
- Green (44%)
- Blue (15%)



- Red (0%)
- Yellow (33%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9567, 0.2835, 0.5404 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 11.9567, 0.2835, 0.5404 by changing the saturation by 10% instead.


 11.9567, 0.2835,
0.5404


 11.9567, 0.2835,
0.5404


204.1184, 0.3078,
0.4023


 6.7142, 0.2694,
0.5923


 29.4162, 0.2966,
0.4791


 3.2840, 0.2497,
0.6936

 42.4020, 0.3000,
0.4598


 1.2817, 0.0672,
0.9328

 58.7377, 0.3024,
0.4448

 0.1270, 0.0000,
1.0000

 78.8077, 0.3041,
0.4328

 0.0000, 0.0000,
0.0000

 102.9964, 0.3054,
0.4231


 131.6881, 0.3064,

0.4150


 165.2673, 0.3072,
0.4082

 11.9567, 0.2835,
0.5404

 11.9567, 0.2835,
0.5404


 11.9556, 0.2835,
0.5407

 12.0845, 0.2817,
0.5198

 12.2536, 0.2806,
0.4974

 12.4900, 0.2812,
0.4736

 12.8007, 0.2832,
0.4494

 13.1917, 0.2864,
0.4256

■ 13.6684, 0.2907,
0.4029

■ 14.2357, 0.2958,
0.3816

■ 14.8980, 0.3013,
0.3622

■ 15.6597, 0.3070,
0.3446

Harmonies

Analogous

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



11.9567, 0.3890, 0.5421



11.9567, 0.2835, 0.5404



11.9567, 0.1909, 0.4262

Triad

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



11.9567, 0.2835, 0.5404



11.9567, 0.1476, 0.1674



11.9567, 0.5239, 0.3154

Complementary

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



11.9567, 0.2835, 0.5404



4.0102, 0.4257, 0.2120

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.



11.9567, 0.4293, 0.2476



11.9567, 0.2835, 0.5404



11.9567, 0.2052, 0.1670

Square

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



11.9567, 0.2835, 0.5404



11.9567, 0.1258, 0.2026



11.9567, 0.3043, 0.1950



11.9567, 0.5387, 0.3903

Rectangle

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



11.9567, 0.2835, 0.5404



11.9567, 0.1505, 0.3297



11.9567, 0.3043, 0.1950



11.9567, 0.4999, 0.2918

Sweetspot

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



11.9572, 0.2835, 0.5404



25.3907, 0.2953, 0.3835



13.3214, 0.3641, 0.5489



5.7934, 0.2936, 0.3902



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.9572, 0.2835, 0.5404



21.3867, 0.2848, 0.5453



12.6223, 0.2390, 0.3801



3.7804, 0.3075, 0.3431



13.5588, 0.2838, 0.5418



67.3941, 0.2865, 0.5515

Inverse Universe

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



4.0102, 0.4257, 0.2120



7.1494, 0.4293, 0.2139



3.5607, 0.6064, 0.3116



3.4349, 0.3183, 0.3153



4.5409, 0.4267, 0.2124



22.4535, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 11.9567, 0.2835, 0.5404 looks on a white background.

Color Contrast Check

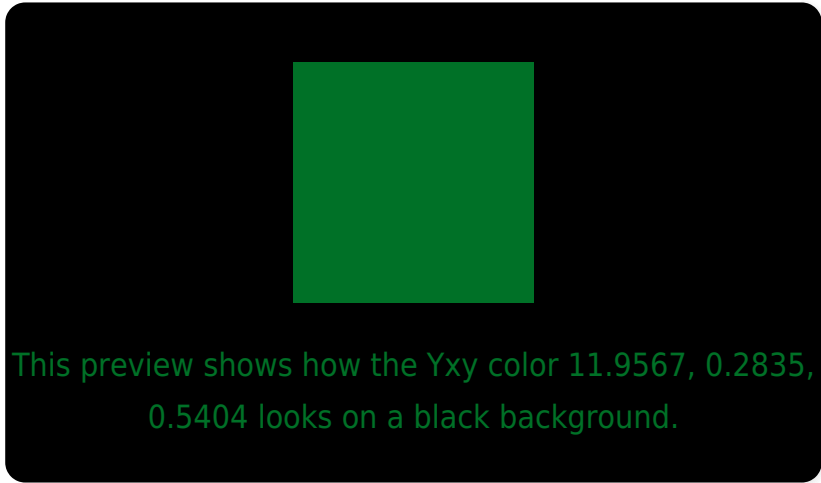
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9567, 0.2835, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 11.9567, 0.2835, 0.5404.



This preview shows how white text looks on a background with the Yxy color 11.9567, 0.2835, 0.5404.

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

11.9567, 0.2835, 0.5404

Protanopia

11.8589, 0.4150, 0.4573

Deuteranopia

11.8446, 0.4287, 0.4208



Tritanopia

12.1038, 0.2378, 0.3089

Trichromacy



Original Color

11.9567, 0.2835, 0.5404



Protanomaly

11.0931, 0.3445, 0.5014



Deuteranomaly

10.8253, 0.3504, 0.4758



Tritanomaly

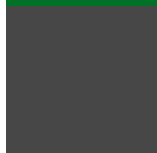
11.8866, 0.2524, 0.3899

Monochromacy



Original Color

11.9567, 0.2835, 0.5404



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

7.5292, 0.2881, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9567, 0.2835, 0.5404 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, 113, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 39)  
}
```

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, 113, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 39) }
```

Border

The CSS property to change the border of an element to Yxy 11.9567, 0.2835, 0.5404 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, 113, 39) }
```

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

```
.border{ border-color:rgb(0, 113, 39) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9567, 0.2835, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 39) }
```

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

```
.background{ background-color: rgb(0, 113,  
39) }
```

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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