

Converting Colors

$Y_{xy}(10.4877, 0.2254, 0.5710)$

Have a look what the booklet for
Yxy(10.4877, 0.2254, 0.5710)
contains.

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Color

Yxy(11.5154, 0.2829, 0.5384)

Conversions

Conversions Part 1

Format	Color
Hex	006F27
RGB	0, 111, 39
RGB Percent	0%, 44%, 15%
CMY	0.9999, 0.5647, 0.8471
CMYK	1.00, 0.00, 0.65, 0.56
HSL	141°, 100%, 22%
HSV	141°, 100%, 44%
XYZ	6.0507, 11.5154, 3.8221
YIQ	69.6030, -43.0440, -45.9240

Conversions

Conversions Part 2

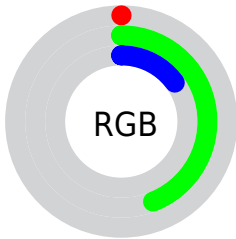
Format	Color
RYB	0, 82, 111
Decimal	28455
CIELab	40.44, -43.61, 31.82
CIELCh	40, 53.983, 143.886
Yxy	11.5154, 0.2829, 0.5384
Android (android.graphics.Color)	4278218535 (0xFF006F27)
YUV	69.6030, -15.0873, -61.0418
Hunter-Lab	33.9343, -27.5574, 17.0761

Details

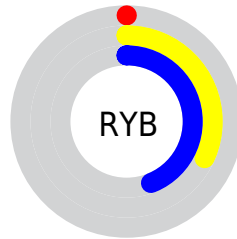
The Yxy color **11.5154, 0.2829, 0.5384** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.8486, 0.4281, 0.2132**, and the grayscale version is **6.0875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6949, 0.2963, 0.4772**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.5156, 0.2829, 0.5384**, and if you desaturate by 10%, it is **11.6401, 0.2812, 0.5178**.

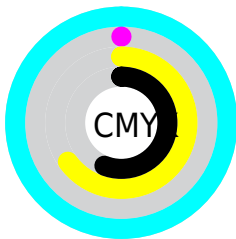
Distribution



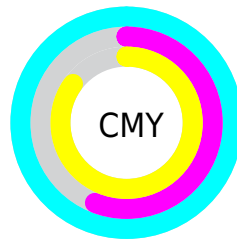
- Red (0%)
- Green (44%)
- Blue (15%)



- Red (0%)
- Yellow (32%)
- 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 11.5154, 0.2829, 0.5384 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 11.5154, 0.2829, 0.5384 by changing the saturation by 10% instead.


 11.5154, 0.2829,
0.5384


 11.5154, 0.2829,
0.5384


201.1702, 0.3075,
0.4010


 6.4146, 0.2686,
0.5907


 28.6094, 0.2962,
0.4771

 3.0988, 0.2496,
0.6967

 41.3714, 0.2996,
0.4579


 1.1835, 0.0275,
0.9725

 57.4559, 0.3019,
0.4430

 0.0482, 0.0000,
1.0000


 77.2473, 0.3037,
0.4312


 0.0000, 0.0000,
0.0000


 101.1301, 0.3050,
0.4215


 129.4885, 0.3060,


0.4135


 162.7071, 0.3068,
0.4068

 11.5154, 0.2829,
0.5384


 11.5154, 0.2829,
0.5384


 11.5156, 0.2829,
0.5384

 11.6401, 0.2812,
0.5178

 11.8031, 0.2801,
0.4956

 12.0307, 0.2807,
0.4720

 12.3292, 0.2827,
0.4481

 12.7045, 0.2861,
0.4246

■ 13.1618, 0.2904,
0.4021

■ 13.7057, 0.2955,
0.3812

■ 14.3405, 0.3010,
0.3619

■ 15.0703, 0.3068,
0.3445

Harmonies

Analogous

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



11.5154, 0.3880, 0.5415



11.5154, 0.2829, 0.5384



11.5154, 0.1909, 0.4243

Triad

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



11.5154, 0.2829, 0.5384



11.5154, 0.1486, 0.1680



11.5154, 0.5232, 0.3163

Complementary

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



11.5154, 0.2829, 0.5384



3.8486, 0.4281, 0.2132

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.



11.5154, 0.4298, 0.2486



11.5154, 0.2829, 0.5384



11.5154, 0.2065, 0.1678

Square

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



11.5154, 0.2829, 0.5384



11.5154, 0.1266, 0.2028



11.5154, 0.3055, 0.1960



11.5154, 0.5374, 0.3910

Rectangle

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



11.5154, 0.2829, 0.5384



11.5154, 0.1508, 0.3286



11.5154, 0.3055, 0.1960



11.5154, 0.4996, 0.2928

Sweetspot

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



11.5159, 0.2829, 0.5384



24.4535, 0.2950, 0.3829



12.7532, 0.3616, 0.5510



5.7952, 0.2933, 0.3896



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.



11.5159, 0.2829, 0.5384



20.5972, 0.2842, 0.5432



12.1840, 0.2374, 0.3746



3.7808, 0.3074, 0.3430



13.5646, 0.2833, 0.5399



67.4213, 0.2860, 0.5497

Inverse Universe

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



3.8486, 0.4281, 0.2132



6.8655, 0.4317, 0.2152



3.4197, 0.6105, 0.3137



3.4345, 0.3184, 0.3154



4.5291, 0.4292, 0.2138



22.3937, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 11.5154, 0.2829, 0.5384 looks on a white background.

Color Contrast Check

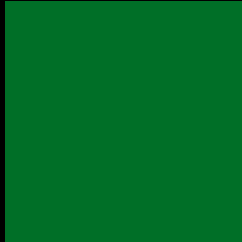
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5154, 0.2829, 0.5384 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 11.5154, 0.2829, 0.5384

Background



This preview shows how black text looks on a background with the Yxy color 11.5154, 0.2829, 0.5384.



This preview shows how white text looks on a background with the Yxy color 11.5154, 0.2829, 0.5384.

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

11.5154, 0.2829, 0.5384

Protanopia

11.3699, 0.4144, 0.4557

Deuteranopia

11.4535, 0.4264, 0.4228



Tritanopia

11.6284, 0.2377, 0.3086

Trichromacy



Original Color

11.5154, 0.2829, 0.5384

Protanomaly

10.6280, 0.3429, 0.5001

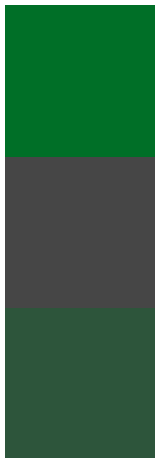
Deuteranomaly

10.3656, 0.3487, 0.4738

Tritanomaly

11.4325, 0.2532, 0.3909

Monochromacy



Original Color

11.5154, 0.2829, 0.5384

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.3707, 0.2879, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5154, 0.2829, 0.5384 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, 111, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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, 111, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 39) }
```

Border

The CSS property to change the border of an element to Yxy 11.5154, 0.2829, 0.5384 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, 111, 39) }
```

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

```
.border{ border-color:rgb(0, 111, 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, 111, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.5154, 0.2829, 0.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 39) }
```

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

```
.background{ background-color: rgb(0, 111,  
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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