

Converting Colors

$Y_{xy}(11.8969, 0.2857, 0.5282)$

Have a look what the booklet for
Yxy(11.8969, 0.2857, 0.5282)
contains.

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Color

Yxy(11.8571, 0.2860, 0.5292)

Conversions

Conversions Part 1

Format	Color
Hex	0F702A
RGB	15, 112, 42
RGB Percent	6%, 44%, 16%
CMY	0.9415, 0.5608, 0.8353
CMYK	0.87, 0.00, 0.63, 0.56
HSL	137°, 76%, 25%
HSV	137°, 87%, 44%
XYZ	6.4080, 11.8571, 4.1406
YIQ	75.0170, -35.3420, -42.3340

Conversions

Conversions Part 2

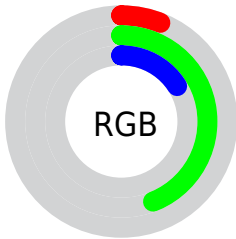
Format	Color
RYB	15, 91, 112
Decimal	1011754
CIELab	40.99, -42.14, 31.00
CIELCh	41, 52.312, 143.659
Yxy	11.8571, 0.2860, 0.5292
Android (android.graphics.Color)	4279201834 (0xFF0F702A)
YUV	75.0170, -16.2774, -52.6349
Hunter-Lab	34.4341, -27.0417, 16.9745

Details

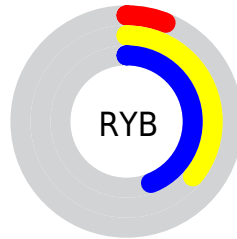
The Yxy color **11.8571, 0.2860, 0.5292** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.4394, 0.3873, 0.2025**, and the grayscale version is **7.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3107, 0.2979, 0.4713**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7286, 0.2877, 0.5505**, and if you desaturate by 10%, it is **12.0417, 0.2854, 0.5052**.

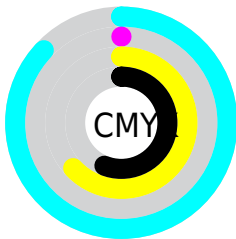
Distribution



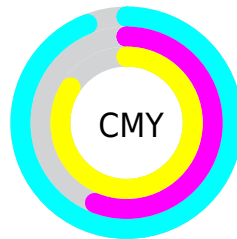
- Red (6%)
- Green (44%)
- Blue (16%)



- Red (6%)
- Yellow (36%)
- Blue (44%)



- Cyan (87%)
- Magenta (0%)
- Yellow (63%)
- Black (56%)




- Cyan (94%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8571, 0.2860, 0.5292 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 11.8571, 0.2860, 0.5292 by changing the saturation by 10% instead.


 11.8571, 0.2860,
0.5292


 11.8571, 0.2860,
0.5292


203.4569, 0.3081,
0.3985


 6.6464, 0.2732,
0.5786


 29.2346, 0.2979,
0.4711

 3.2420, 0.2540,
0.6710

 42.1702, 0.3010,
0.4528

 1.2593, 0.0920,
0.9080

 58.4496, 0.3031,
0.4387

 0.1094, 0.0000,
1.0000


 78.4571, 0.3047,
0.4274


 0.0000, 0.0000,
0.0000


 102.5773, 0.3059,
0.4181

 131.1943, 0.3068,


0.4105


 164.6928, 0.3075,
0.4040


 11.8571, 0.2860,
0.5292


 11.8571, 0.2860,
0.5292


 11.7286, 0.2877,
0.5505


 12.0417, 0.2854,
0.5052

 11.6897, 0.2881,
0.5571

 12.2959, 0.2861,
0.4795

 12.6268, 0.2882,
0.4532

 13.0402, 0.2913,
0.4274

 13.5413, 0.2953,
0.4028

■ 14.1350, 0.2997,
0.3800

■ 14.8258, 0.3045,
0.3591

■ 15.6176, 0.3094,
0.3404

■ 16.5146, 0.3143,
0.3237

Harmonies

Analogous

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



11.8571, 0.3881, 0.5338



11.8571, 0.2860, 0.5292



11.8571, 0.1962, 0.4213

Triad

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



11.8571, 0.2860, 0.5292



11.8571, 0.1532, 0.1731



11.8571, 0.5147, 0.3173

Complementary

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



11.8571, 0.2860, 0.5292



4.4394, 0.3873, 0.2025

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.



11.8571, 0.4245, 0.2511



11.8571, 0.2860, 0.5292



11.8571, 0.2096, 0.1724

Square

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



11.8571, 0.2860, 0.5292



11.8571, 0.1318, 0.2079



11.8571, 0.3052, 0.1997



11.8571, 0.5302, 0.3905

Rectangle

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



11.8571, 0.2860, 0.5292



11.8571, 0.1566, 0.3303



11.8571, 0.3052, 0.1997



11.8571, 0.4917, 0.2942

Sweetspot

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



11.8576, 0.2860, 0.5292



24.8288, 0.2997, 0.3800



13.6078, 0.3756, 0.5254



5.8949, 0.2985, 0.3858



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.



11.8576, 0.2860, 0.5292



20.5148, 0.2893, 0.5614



12.4177, 0.2460, 0.3912



3.7771, 0.3083, 0.3445



13.5091, 0.2884, 0.5583



67.1651, 0.2909, 0.5674

Inverse Universe

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



4.4394, 0.3873, 0.2025



7.0678, 0.4048, 0.2004



3.9218, 0.5413, 0.2950



3.4384, 0.3175, 0.3140



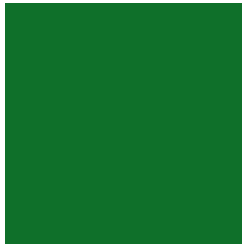
4.6612, 0.4030, 0.1994



23.0674, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 11.8571, 0.2860, 0.5292 looks on a white background.

Color Contrast Check

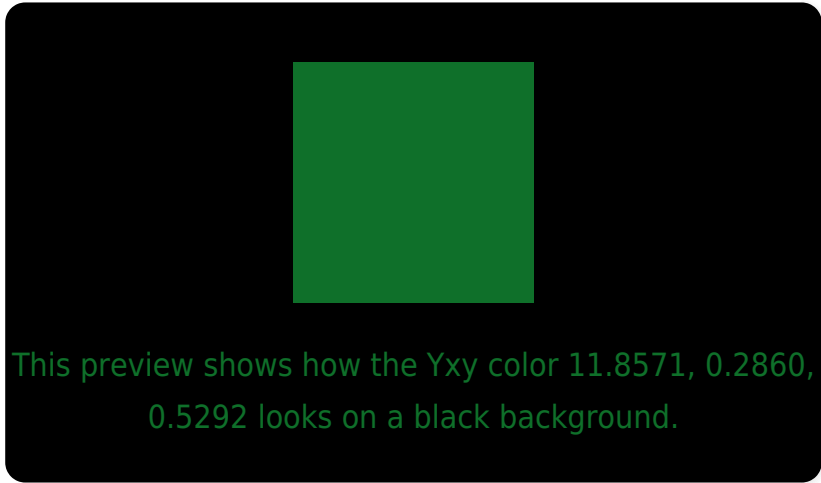
Large Text (above 18pt) WCAG AA ✓ Pass

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

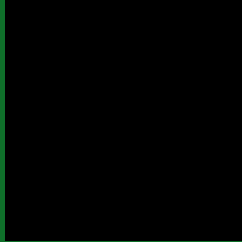
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.8571, 0.2860, 0.5292

Background



This preview shows how black text looks on a background with the Yxy color 11.8571, 0.2860, 0.5292.



This preview shows how white text looks on a background with the Yxy color 11.8571, 0.2860, 0.5292.

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

11.8571, 0.2860, 0.5292

Protanopia

11.6251, 0.4126, 0.4534

Deuteranopia

11.7192, 0.4228, 0.4188



Tritanopia

11.8997, 0.2388, 0.3088

Trichromacy



Original Color

11.8571, 0.2860, 0.5292

Protanomaly

11.1051, 0.3500, 0.4894

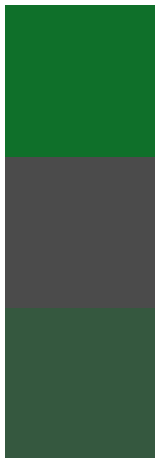
Deuteranomaly

10.8703, 0.3558, 0.4633

Tritanomaly

11.7706, 0.2556, 0.3869

Monochromacy



Original Color

11.8571, 0.2860, 0.5292

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0952, 0.2941, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8571, 0.2860, 0.5292 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(15, 112, 42)` looks like.

```
.text, #text, p{  
    color:rgb(15, 112, 42)  
}
```

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(15, 112, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 112, 42) }
```

Border

The CSS property to change the border of an element to Yxy 11.8571, 0.2860, 0.5292 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(15, 112, 42) }
```

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

```
.border{ border-color:rgb(15, 112, 42) }
```

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

Here you see how a box with a 4 pixel rgb(15, 112, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 112, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 112, 42);  
box-shadow:4px 4px 4px 4px rgb(15, 112,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8571, 0.2860, 0.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 112, 42) }
```

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

```
.background{ background-color: rgb(15, 112,  
42) }
```

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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