

Converting Colors

$Y_{xy}(11.6629, 0.3971, 0.6029)$

Have a look what the booklet for
Yxy(11.6629, 0.3971, 0.6029)
contains.

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Color

Yxy(11.8039, 0.3710, 0.5436)

Conversions

Conversions Part 1

Format	Color
Hex	4B6A00
RGB	75, 106, 0
RGB Percent	29%, 42%, 0%
CMY	0.7059, 0.5843, 0.9999
CMYK	0.29, 0.00, 1.00, 0.58
HSL	78°, 100%, 21%
HSV	78°, 100%, 42%
XYZ	8.0560, 11.8039, 1.8544
YIQ	84.6470, 15.5500, -39.5380

Conversions

Conversions Part 2

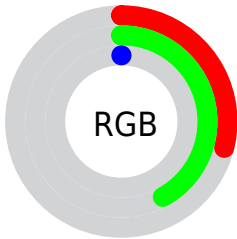
Format	Color
RYB	0, 106, 31
Decimal	4942336
CIELab	40.90, -25.64, 46.65
CIElCh	41, 53.232, 118.791
Yxy	11.8039, 0.3710, 0.5436
Android (android.graphics.Color)	4283132416 (0xFF4B6A00)
YUV	84.6470, -41.7310, -8.4604
Hunter-Lab	34.3568, -18.2696, 20.8496

Details

The Yxy color **11.8039, 0.3710, 0.5436** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.3329, 0.1738, 0.0731**, and the grayscale version is **9.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9417, 0.3653, 0.4895**, and **3.2203, 0.3355, 0.5718** is the 20% darker color. If you saturate the color by 10%, you get **11.8040, 0.3710, 0.5436**, and if you desaturate by 10%, it is **11.9558, 0.3718, 0.5316**.

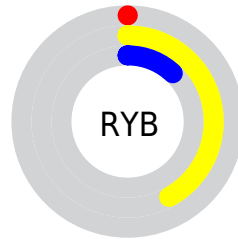
Distribution



Red (29%)

Green (42%)

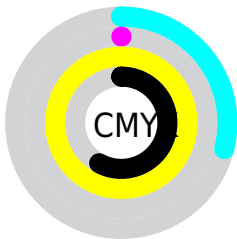
Blue (0%)



Red (0%)

Yellow (42%)

Blue (12%)

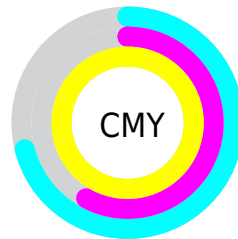


Cyan (29%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (71%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8039, 0.3710, 0.5436 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 11.8039, 0.3710, 0.5436 by changing the saturation by 10% instead.


 11.8039, 0.3710,
0.5436


 11.8039, 0.3710,
0.5436


 203.1027, 0.3454,
0.4114


 6.6103, 0.3716,
0.5872


 29.1374, 0.3654,
0.4895


 3.2196, 0.3594,
0.6406

 42.0462, 0.3618,
0.4708

 1.2474, 0.2948,
0.7052

 58.2954, 0.3583,
0.4559

 0.0999, 0.0000,
1.0000


 78.2695, 0.3551,
0.4436


 0.0000, 0.0000,
0.0000


 102.3529, 0.3523,
0.4335


 130.9300, 0.3497,


0.4249


 164.3851, 0.3474,
0.4177


 11.8039, 0.3710,
0.5436


 11.8039, 0.3710,
0.5436

 11.8040, 0.3710,
0.5436

 11.9558, 0.3718,
0.5316

 12.1217, 0.3715,
0.5174

 12.3107, 0.3689,
0.4993

 12.5244, 0.3642,
0.4777

 12.7648, 0.3577,
0.4537

■ 13.0333, 0.3498,
0.4283

■ 13.3312, 0.3410,
0.4025

■ 13.6599, 0.3317,
0.3769

■ 14.0206, 0.3222,
0.3523

Harmonies

Analogous

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



11.8039, 0.4660, 0.4836



11.8039, 0.3710, 0.5436



11.8039, 0.2677, 0.5214

Triad

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



11.8039, 0.3710, 0.5436



11.8039, 0.1308, 0.1968



11.8039, 0.4462, 0.2604

Complementary

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



11.8039, 0.3710, 0.5436



1.3329, 0.1738, 0.0731

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.



11.8039, 0.3250, 0.2052



11.8039, 0.3710, 0.5436



11.8039, 0.1580, 0.1685

Square

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



11.8039, 0.3710, 0.5436



11.8039, 0.1368, 0.2710



11.8039, 0.2216, 0.1731



11.8039, 0.5269, 0.3288

Rectangle

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



11.8039, 0.3710, 0.5436



11.8039, 0.2067, 0.4459



11.8039, 0.2216, 0.1731



11.8039, 0.4070, 0.2400

Sweetspot

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



11.8044, 0.3710, 0.5436



23.3493, 0.3418, 0.4047



3.9956, 0.5913, 0.3686



5.4314, 0.3445, 0.4125



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.8044, 0.3710, 0.5436



20.6557, 0.3697, 0.5447



10.4904, 0.3106, 0.5916



3.5413, 0.3212, 0.3499



14.6311, 0.3705, 0.5441



74.0904, 0.3677, 0.5463

Inverse Universe

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



1.3329, 0.1738, 0.0731



2.2830, 0.1713, 0.0717



2.8821, 0.2693, 0.1257



3.0641, 0.3038, 0.3078



1.6368, 0.1727, 0.0725



7.9429, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 11.8039, 0.3710, 0.5436 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 11.8039, 0.3710, 0.5436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

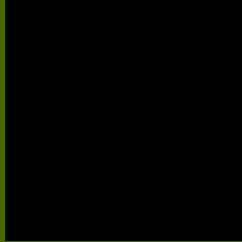
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8039, 0.3710, 0.5436

Background



This preview shows how black text looks on a background with the Yxy color 11.8039, 0.3710, 0.5436.



This preview shows how white text looks on a background with the Yxy color 11.8039, 0.3710, 0.5436.

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

11.8039, 0.3710, 0.5436

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.5976, 0.4585, 0.4525



Tritanopia

11.8956, 0.2840, 0.3125

Trichromacy



Original Color

11.8039, 0.3710, 0.5436

Protanomaly

11.6557, 0.4144, 0.5092

Deuteranomaly

11.3379, 0.4268, 0.4856

Tritanomaly

11.6573, 0.3283, 0.4179

Monochromacy



Original Color

11.8039, 0.3710, 0.5436

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.8444, 0.3499, 0.4320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8039, 0.3710, 0.5436 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(75, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 106, 0)  
}
```

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(75, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8039, 0.3710, 0.5436 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(75, 106, 0) }
```

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

```
.border{ border-color:rgb(75, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(75, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 106, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8039, 0.3710, 0.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 106, 0) }
```

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

```
.background{ background-color: rgb(75, 106,  
0) }
```

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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