

Converting Colors

$Y_{xy}(11.9599, 0.3570, 0.5160)$

Have a look what the booklet for
Yxy(11.9599, 0.3570, 0.5160)
contains.

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Color

Yxy(11.8878, 0.3576, 0.5144)

Conversions

Conversions Part 1

Format	Color
Hex	4B6A1C
RGB	75, 106, 28
RGB Percent	29%, 42%, 11%
CMY	0.7060, 0.5843, 0.8902
CMYK	0.29, 0.00, 0.74, 0.58
HSL	84°, 58%, 26%
HSV	84°, 74%, 42%
XYZ	8.2641, 11.8878, 2.9581
YIQ	87.8390, 6.5620, -30.8300

Conversions

Conversions Part 2

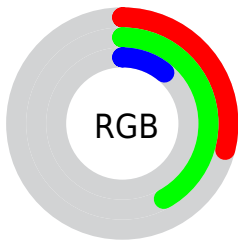
Format	Color
R_{YB}	28, 106, 59
Decimal	4942364
CIE _{Lab}	41.04, -24.34, 38.22
CIE _{LCh}	41, 45.310, 122.495
Yxy	11.8878, 0.3576, 0.5144
Android (android.graphics.Color)	4283132444 (0xFF4B6A1C)
YUV	87.8390, -29.5006, -11.2598
Hunter-Lab	34.4787, -17.5533, 19.0483

Details

The Yxy color **11.8878, 0.3576, 0.5144** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.8027, 0.2238, 0.1301**, and the grayscale version is **9.7860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0854, 0.3517, 0.4649**, and **3.2591, 0.3418, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **11.6818, 0.3578, 0.5332**, and if you desaturate by 10%, it is **12.1240, 0.3553, 0.4920**.

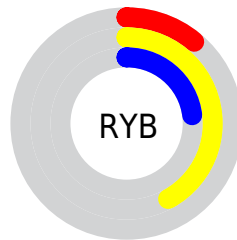
Distribution



Red (29%)

Green (42%)

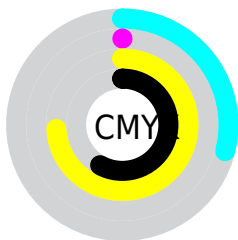
Blue (11%)



Red (11%)

Yellow (42%)

Blue (23%)

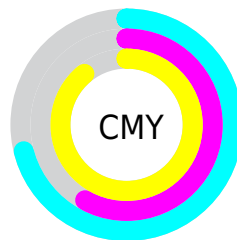


Cyan (29%)

Magenta (0%)

Yellow (74%)

Black (58%)



Cyan (71%)


Magenta (58%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8878, 0.3576, 0.5144 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 11.8878, 0.3576, 0.5144 by changing the saturation by 10% instead.


 11.8878, 0.3576,
0.5144


 11.8878, 0.3576,
0.5144


203.6611, 0.3364,
0.3981


 6.6673, 0.3581,
0.5529


 29.2906, 0.3518,
0.4651


 3.2549, 0.3665,
0.6335

 42.2417, 0.3488,
0.4488


 1.2662, 0.3093,
0.6907

 58.5385, 0.3461,
0.4359

 0.1148, 0.0000,
1.0000


 78.5653, 0.3437,
0.4254


 0.0000, 0.0000,
0.0000

 102.7066, 0.3415,
0.4168

 131.3467, 0.3396,


0.4095


 164.8701, 0.3379,
0.4034


 11.8878, 0.3576,
0.5144


 11.8878, 0.3576,
0.5144


 11.6818, 0.3578,
0.5332

 12.1240, 0.3553,
0.4920

 11.5016, 0.3560,
0.5477

 12.3908, 0.3511,
0.4669

 11.3939, 0.3546,
0.5566

 12.6904, 0.3454,
0.4403

 13.0243, 0.3387,
0.4133

 13.3940, 0.3312,
0.3867

■ 13.8008, 0.3234,
0.3612

■ 14.2460, 0.3155,
0.3372

■ 14.7307, 0.3078,
0.3149

■ 15.2562, 0.3003,
0.2944

Harmonies

Analogous

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



11.8878, 0.4420, 0.4764



11.8878, 0.3576, 0.5144



11.8878, 0.2665, 0.4790

Triad

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



11.8878, 0.3576, 0.5144



11.8878, 0.1525, 0.2096



11.8878, 0.4380, 0.2776

Complementary

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



11.8878, 0.3576, 0.5144



2.8027, 0.2238, 0.1301

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.



11.8878, 0.3372, 0.2253



11.8878, 0.3576, 0.5144



11.8878, 0.1815, 0.1864

Square

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



11.8878, 0.3576, 0.5144



11.8878, 0.1553, 0.2713



11.8878, 0.2437, 0.1932



11.8878, 0.5004, 0.3413

Rectangle

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



11.8878, 0.3576, 0.5144



11.8878, 0.2142, 0.4128



11.8878, 0.2437, 0.1932



11.8878, 0.4063, 0.2584

Sweetspot

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



11.8883, 0.3576, 0.5144



23.5701, 0.3305, 0.3842



6.1654, 0.4877, 0.3924



5.4918, 0.3319, 0.3890



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.



11.8883, 0.3576, 0.5144



20.2784, 0.3567, 0.5435



10.7887, 0.3100, 0.5455



3.5264, 0.3198, 0.3499



14.1185, 0.3539, 0.5572



71.4254, 0.3504, 0.5600

Inverse Universe

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



2.8027, 0.2238, 0.1301



3.3272, 0.2009, 0.0966



4.4080, 0.3005, 0.1669



3.0784, 0.3052, 0.3079



1.8878, 0.1880, 0.0809



9.1429, 0.1824, 0.0779

Previews

White Background



This preview shows how the Yxy color 11.8878, 0.3576, 0.5144 looks on a white background.

Color Contrast Check

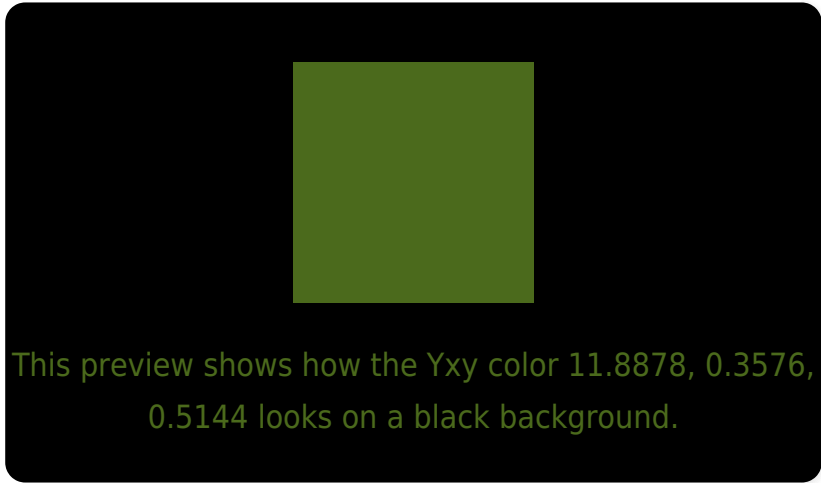
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8878, 0.3576, 0.5144

Background



This preview shows how black text looks on a background with the Yxy color 11.8878, 0.3576, 0.5144.



This preview shows how white text looks on a background with the Yxy color 11.8878, 0.3576, 0.5144.

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

11.8878, 0.3576, 0.5144

Protanopia

11.8121, 0.4232, 0.4696

Deuteranopia

11.8347, 0.4445, 0.4383



Tritanopia

11.9165, 0.2827, 0.3102

Trichromacy



Original Color

11.8878, 0.3576, 0.5144

Protanomaly

11.6803, 0.3984, 0.4858

Deuteranomaly

11.5967, 0.4113, 0.4656

Tritanomaly

11.8021, 0.3141, 0.3894

Monochromacy



Original Color

11.8878, 0.3576, 0.5144

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.4168, 0.3354, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8878, 0.3576, 0.5144 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, 28)` looks like.

```
.text, #text, p{  
  color:rgb(75, 106, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 28) }
```

Border

The CSS property to change the border of an element to Yxy 11.8878, 0.3576, 0.5144 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, 28) }
```

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

```
.border{ border-color:rgb(75, 106, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 28);  
box-shadow:4px 4px 4px 4px rgb(75, 106,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8878, 0.3576, 0.5144 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, 28) }
```

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

```
.background{ background-color: rgb(75, 106,  
28) }
```

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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