

Converting Colors

$Y_{xy}(11.9199, 0.3402, 0.4656)$

Have a look what the booklet for
Yxy(11.9199, 0.3402, 0.4656)
contains.

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Color

Yxy(11.9199, 0.3402, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	4D6933
RGB	77, 105, 51
RGB Percent	30%, 41%, 20%
CMY	0.6980, 0.5882, 0.8001
CMYK	0.27, 0.00, 0.51, 0.59
HSL	91°, 35%, 31%
HSV	91°, 51%, 41%
XYZ	8.7095, 11.9199, 4.9717
YIQ	90.4720, 0.6460, -22.7300

Conversions

Conversions Part 2

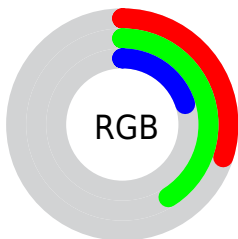
Format	Color
RYB	51, 105, 79
Decimal	5073203
CIELab	41.09, -20.65, 26.94
CIELCh	41, 33.949, 127.471
Yxy	11.9199, 0.3402, 0.4656
Android (android.graphics.Color)	4283263283 (0xFF4D6933)
YUV	90.4720, -19.4597, -11.8149
Hunter-Lab	34.5252, -15.3897, 15.6297

Details


The Yxy color **11.9199, 0.3402, 0.4656** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.0479, 0.2678, 0.1943**, and the grayscale version is **10.3807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1898, 0.3351, 0.4273**, and **3.3131, 0.3424, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **11.6210, 0.3429, 0.4930**, and if you desaturate by 10%, it is **12.2597, 0.3362, 0.4372**.

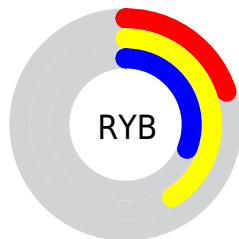
Distribution



 Red (30%)

 Green (41%)

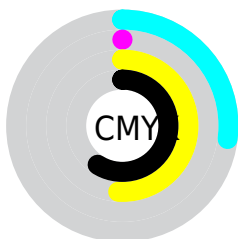
 Blue (20%)




 Red (20%)

 Yellow (41%)

 Blue (31%)

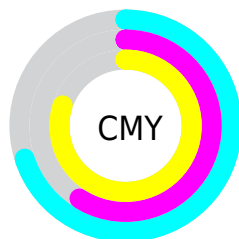



 Cyan (27%)


 Magenta (0%)

 Yellow (51%)

 Black (59%)



 Cyan (70%)


 Magenta (59%)


 Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9199, 0.3402, 0.4656 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 11.9199, 0.3402, 0.4656 by changing the saturation by 10% instead.


 11.9199, 0.3402,
0.4656


 11.9199, 0.3402,
0.4656


 203.8743, 0.3262,
0.3791


 6.6892, 0.3421,
0.4966


 29.3491, 0.3357,
0.4281


 3.2685, 0.3431,
0.5467

 42.3164, 0.3337,
0.4160

 1.2735, 0.3422,
0.6578

 58.6313, 0.3320,
0.4066

 0.1205, 0.0000,
1.0000

 78.6783, 0.3305,
0.3989

 0.0000, 0.0000,
0.0000

 102.8417, 0.3292,
0.3926

 131.5059, 0.3281,

0.3874

165.0553, 0.3271,
0.3829

■ 11.9199, 0.3402,
0.4656

■ 11.9199, 0.3402,
0.4656

■ 11.6210, 0.3429,
0.4930

■ 12.2597, 0.3362,
0.4372

■ 11.3596, 0.3440,
0.5182

■ 12.6406, 0.3312,
0.4090

■ 11.1341, 0.3432,
0.5398

■ 13.0647, 0.3256,
0.3818

■ 10.9421, 0.3404,
0.5569

■ 13.5336, 0.3196,
0.3561

■ 10.7965, 0.3377,
0.5701

■ 14.0487, 0.3136,
0.3323

■ 14.6114, 0.3076,
0.3105

■ 15.2230, 0.3018,
0.2907

■ 15.8847, 0.2963,
0.2729

■ 16.5977, 0.2911,
0.2569

Harmonies

Analogous

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



11.9199, 0.4073, 0.4524



11.9199, 0.3402, 0.4656



11.9199, 0.2695, 0.4268

Triad

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



11.9199, 0.3402, 0.4656



11.9199, 0.1876, 0.2324



11.9199, 0.4174, 0.2989

Complementary

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



11.9199, 0.3402, 0.4656



5.0479, 0.2678, 0.1943

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.



11.9199, 0.3455, 0.2537



11.9199, 0.3402, 0.4656



11.9199, 0.2163, 0.2158

Square

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



11.9199, 0.3402, 0.4656



11.9199, 0.1865, 0.2778



11.9199, 0.2714, 0.2242



11.9199, 0.4578, 0.3527

Rectangle

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



11.9199, 0.3402, 0.4656



11.9199, 0.2299, 0.3775



11.9199, 0.2714, 0.2242



11.9199, 0.3956, 0.2825

Sweetspot

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



11.9204, 0.3402, 0.4656



23.8879, 0.3220, 0.3661



8.8189, 0.4116, 0.3941



5.5658, 0.3229, 0.3700



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.



11.9204, 0.3402, 0.4656



20.6924, 0.3433, 0.4991



11.0540, 0.3047, 0.4788



3.5096, 0.3181, 0.3500



13.6478, 0.3369, 0.5707



69.0291, 0.3329, 0.5738

Inverse Universe

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



5.0479, 0.2678, 0.1943



6.8298, 0.2533, 0.1618



6.3713, 0.3199, 0.2143



3.0951, 0.3069, 0.3080



2.2772, 0.2098, 0.0929



11.0840, 0.2043, 0.0899

Previews

White Background



This preview shows how the Yxy color 11.9199, 0.3402, 0.4656 looks on a white background.

Color Contrast Check

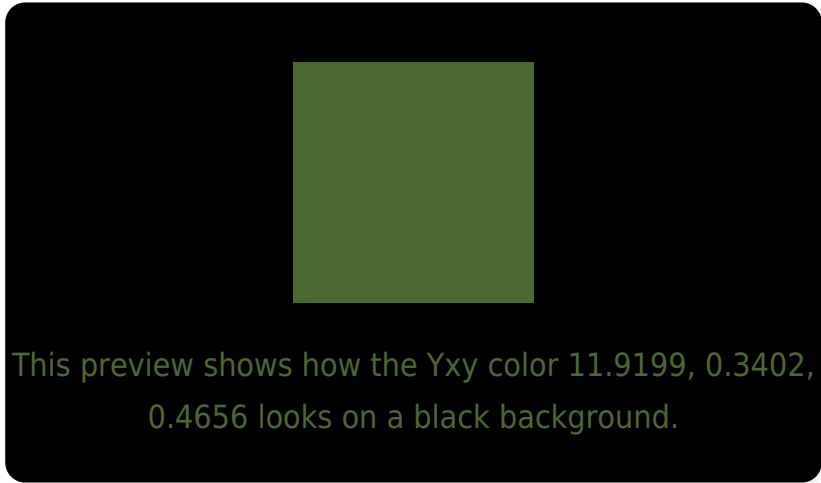
Large Text (above 18pt) WCAG AA ✓ Pass

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

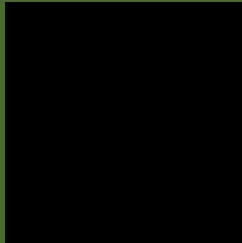
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9199, 0.3402, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 11.9199, 0.3402, 0.4656.



This preview shows how white text looks on a background with the Yxy color 11.9199, 0.3402, 0.4656.

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

11.9199, 0.3402, 0.4656

Protanopia

11.8886, 0.3985, 0.4358

Deuteranopia

11.7722, 0.4144, 0.4078



Tritanopia

11.9165, 0.2827, 0.3102

Trichromacy



Original Color

11.9199, 0.3402, 0.4656

Protanomaly

11.8229, 0.3760, 0.4475

Deuteranomaly

11.6900, 0.3854, 0.4287

Tritanomaly

11.7893, 0.3040, 0.3637

Monochromacy



Original Color

11.9199, 0.3402, 0.4656

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6375, 0.3243, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9199, 0.3402, 0.4656 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(77, 105, 51)` looks like.

```
.text, #text, p{  
    color:rgb(77, 105, 51)  
}
```

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(77, 105, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 105, 51) }
```

Border

The CSS property to change the border of an element to Yxy 11.9199, 0.3402, 0.4656 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(77, 105, 51) }
```

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

```
.border{ border-color:rgb(77, 105, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 105, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 105, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 105, 51);  
box-shadow:4px 4px 4px 4px rgb(77, 105,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9199, 0.3402, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 105, 51) }
```

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

```
.background{ background-color: rgb(77, 105,  
51) }
```

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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