

Converting Colors

$Yxy(15.6806, 0.3492, 0.4859)$

Have a look what the booklet for
Yxy(15.6806, 0.3492, 0.4859)
contains.

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Color

Yxy(15.7294, 0.3489, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	587831
RGB	88, 120, 49
RGB Percent	35%, 47%, 19%
CMY	0.6550, 0.5294, 0.8078
CMYK	0.27, 0.00, 0.59, 0.53
HSL	87°, 42%, 33%
HSV	87°, 59%, 47%
XYZ	11.2945, 15.7294, 5.3478
YIQ	102.3380, 3.7190, -28.8650

Conversions

Conversions Part 2

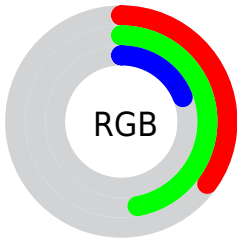
Format	Color
R_{YB}	49, 120, 81
Decimal	5797937
CIE _{Lab}	46.62, -24.09, 34.72
CIE _{LCh}	47, 42.254, 124.751
Yxy	15.7294, 0.3489, 0.4859
Android (android.graphics.Color)	4283988017 (0xFF587831)
YUV	102.3380, -26.2956, -12.5744
Hunter-Lab	39.6603, -18.5722, 19.7675

Details

The Yxy color **15.7294, 0.3489, 0.4859** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.3048, 0.2498, 0.1680**, and the grayscale version is **13.4496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9623, 0.3439, 0.4453**, and **4.9378, 0.3504, 0.5600** is the 20% darker color. If you saturate the color by 10%, you get **15.3875, 0.3511, 0.5107**, and if you desaturate by 10%, it is **16.1193, 0.3449, 0.4589**.

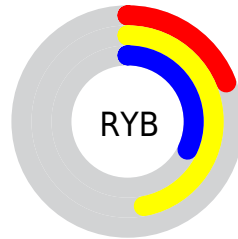
Distribution



Red (35%)

Green (47%)

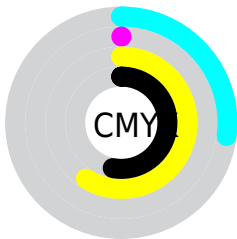
Blue (19%)



Red (19%)

Yellow (47%)

Blue (32%)

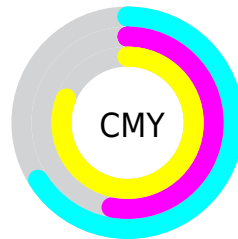


Cyan (27%)

Magenta (0%)

Yellow (59%)

Black (53%)



Cyan (66%)

Magenta (53%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7294, 0.3489, 0.4859 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 15.7294, 0.3489, 0.4859 by changing the saturation by 10% instead.


 15.7294, 0.3489,
0.4859


 15.7294, 0.3489,
0.4859


227.7396, 0.3317,
0.3903


 9.3329, 0.3508,
0.5168


 36.1278, 0.3437,
0.4462


 4.9589, 0.3501,
0.5615

 50.8984, 0.3413,
0.4328


 2.2232, 0.3510,
0.6490

 69.2293, 0.3392,
0.4221

 0.7326, 0.1288,
0.8712

 91.5046, 0.3373,
0.4134

 0.0000, 0.0000,
0.0000

 118.1090, 0.3356,
0.4062

 149.4266, 0.3342,

0.4001

185.8421, 0.3329,
0.3948

■ 15.7294, 0.3489,
0.4859

■ 15.7294, 0.3489,
0.4859

■ 15.3875, 0.3511,
0.5107

■ 16.1193, 0.3449,
0.4589

■ 15.0889, 0.3514,
0.5320

■ 16.5575, 0.3396,
0.4310

■ 14.8313, 0.3495,
0.5489

■ 17.0468, 0.3333,
0.4031

■ 14.6063, 0.3462,
0.5624

■ 17.5893, 0.3264,
0.3762

■ 14.5883, 0.3459,
0.5635

■ 18.1869, 0.3193,
0.3507

■ 18.8413, 0.3121,
0.3271

■ 19.5543, 0.3051,
0.3054

■ 20.3274, 0.2984,
0.2857

■ 21.1623, 0.2920,
0.2678

Harmonies

Analogous

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



15.7294, 0.4229, 0.4627



15.7294, 0.3489, 0.4859



15.7294, 0.2695, 0.4483

Triad

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



15.7294, 0.3489, 0.4859



15.7294, 0.1726, 0.2235



15.7294, 0.4250, 0.2895

Complementary

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



15.7294, 0.3489, 0.4859



5.3048, 0.2498, 0.1680

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.



15.7294, 0.3412, 0.2413



15.7294, 0.3489, 0.4859



15.7294, 0.2011, 0.2036

Square

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



15.7294, 0.3489, 0.4859



15.7294, 0.1737, 0.2762



15.7294, 0.2591, 0.2109



15.7294, 0.4750, 0.3476

Rectangle

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



15.7294, 0.3489, 0.4859



15.7294, 0.2244, 0.3925



15.7294, 0.2591, 0.2109



15.7294, 0.3991, 0.2719

Sweetspot

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



15.7301, 0.3489, 0.4859



31.0055, 0.3259, 0.3743



10.0942, 0.4391, 0.3943



7.2906, 0.3276, 0.3807



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.7301, 0.3489, 0.4859



26.8645, 0.3515, 0.5188



14.4012, 0.3075, 0.5081



4.5483, 0.3192, 0.3506



15.9049, 0.3457, 0.5637



75.3569, 0.3422, 0.5665

Inverse Universe

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



5.3048, 0.2498, 0.1680



6.6990, 0.2312, 0.1333



7.2983, 0.3125, 0.1940



3.9738, 0.3058, 0.3074



2.3305, 0.1964, 0.0856



10.6253, 0.1913, 0.0827

Previews

White Background



This preview shows how the Yxy color 15.7294, 0.3489, 0.4859 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 15.7294, 0.3489, 0.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

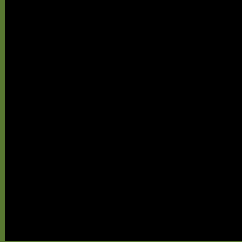
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7294, 0.3489, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 15.7294, 0.3489, 0.4859.



This preview shows how white text looks on a background with the Yxy color 15.7294, 0.3489, 0.4859.

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

15.7294, 0.3489, 0.4859

Protanopia

15.5601, 0.4111, 0.4493

Deuteranopia

15.5944, 0.4285, 0.4216



Tritanopia

15.8121, 0.2836, 0.3102

Trichromacy



Original Color

15.7294, 0.3489, 0.4859

Protanomaly

15.5549, 0.3866, 0.4640

Deuteranomaly

15.3217, 0.3989, 0.4428

Tritanomaly

15.6967, 0.3093, 0.3755

Monochromacy



Original Color

15.7294, 0.3489, 0.4859

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1032, 0.3291, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7294, 0.3489, 0.4859 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(88, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(88, 120, 49)  
}
```

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(88, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 120, 49) }
```

Border

The CSS property to change the border of an element to Yxy 15.7294, 0.3489, 0.4859 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(88, 120, 49) }
```

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

```
.border{ border-color:rgb(88, 120, 49) }
```

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

Here you see how a box with a 4 pixel rgb(88, 120, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(88, 120,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7294, 0.3489, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 120, 49) }
```

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

```
.background{ background-color: rgb(88, 120,  
49) }
```

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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