

Converting Colors

$Yxy(18.0229, 0.3371, 0.4854)$

Have a look what the booklet for
Yxy(18.0229, 0.3371, 0.4854)
contains.

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Color

Yxy(18.0123, 0.3371, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	578138
RGB	87, 129, 56
RGB Percent	34%, 51%, 22%
CMY	0.6587, 0.4941, 0.7803
CMYK	0.33, 0.00, 0.57, 0.49
HSL	95°, 39%, 36%
HSV	95°, 57%, 51%
XYZ	12.4963, 18.0123, 6.5614
YIQ	108.1200, -1.5990, -31.6070

Conversions

Conversions Part 2

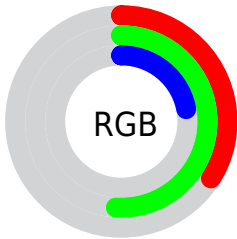
Format	Color
RYB	56, 129, 98
Decimal	5734712
CIELab	49.51, -28.13, 34.54
CIELCh	50, 44.546, 129.162
Yxy	18.0123, 0.3371, 0.4859
Android (android.graphics.Color)	4283924792 (0xFF578138)
YUV	108.1200, -25.6952, -18.5222
Hunter-Lab	42.4409, -21.7141, 20.5424

Details

The Yxy color **18.0123, 0.3371, 0.4859** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.0113, 0.2670, 0.1798**, and the grayscale version is **15.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9648, 0.3348, 0.4471**, and **5.9984, 0.3347, 0.5590** is the 20% darker color. If you saturate the color by 10%, you get **17.5636, 0.3381, 0.5135**, and if you desaturate by 10%, it is **18.5318, 0.3346, 0.4565**.

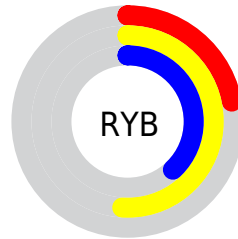
Distribution



Red (34%)

Green (51%)

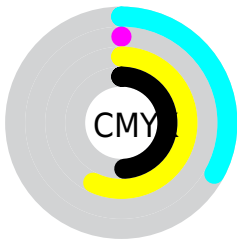
Blue (22%)



Red (22%)

Yellow (51%)

Blue (38%)

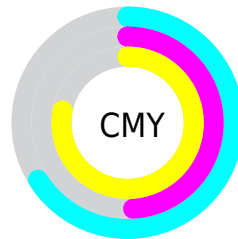


Cyan (33%)

Magenta (0%)

Yellow (57%)

Black (49%)



Cyan (66%)


Magenta (49%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0123, 0.3371, 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 18.0123, 0.3371, 0.4859 by changing the saturation by 10% instead.


 18.0123, 0.3371,
0.4859


 18.0123, 0.3371,
0.4859


240.9404, 0.3270,
0.3913


 10.9588, 0.3371,
0.5162


 40.0583, 0.3347,
0.4468


 6.0392, 0.3340,
0.5591

 55.8196, 0.3333,
0.4337

 2.8689, 0.3407,
0.6593

 75.2523, 0.3320,
0.4231

 1.0637, 0.2279,
0.7721

 98.7407, 0.3308,
0.4144

 0.0000, 0.0000,
0.0000

 126.6694, 0.3297,
0.4072

 159.4226, 0.3287,

0.4010

197.3848, 0.3278,
0.3958

■ 18.0123, 0.3371,
0.4859

■ 18.0123, 0.3371,
0.4859

■ 17.5636, 0.3381,
0.5135

■ 18.5318, 0.3346,
0.4565

■ 17.1797, 0.3373,
0.5378

■ 19.1232, 0.3310,
0.4268

■ 16.8573, 0.3346,
0.5575

■ 19.7902, 0.3265,
0.3977

■ 16.5898, 0.3304,
0.5722

■ 20.5359, 0.3215,
0.3702

■ 16.5068, 0.3291,
0.5769

■ 21.3628, 0.3162,
0.3446

■ 22.2736, 0.3109,
0.3212

■ 23.2708, 0.3057,
0.3001

■ 24.3566, 0.3007,
0.2811

■ 25.5335, 0.2959,
0.2642

Harmonies

Analogous

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



18.0123, 0.4137, 0.4698



18.0123, 0.3371, 0.4859



18.0123, 0.2582, 0.4384

Triad

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



18.0123, 0.3371, 0.4859



18.0123, 0.1741, 0.2178



18.0123, 0.4362, 0.2973

Complementary

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



18.0123, 0.3371, 0.4859



7.0113, 0.2670, 0.1798

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.



18.0123, 0.3545, 0.2469



18.0123, 0.3371, 0.4859



18.0123, 0.2071, 0.2023

Square

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



18.0123, 0.3371, 0.4859



18.0123, 0.1707, 0.2656



18.0123, 0.2696, 0.2133



18.0123, 0.4791, 0.3565

Rectangle

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



18.0123, 0.3371, 0.4859



18.0123, 0.2153, 0.3791



18.0123, 0.2696, 0.2133



18.0123, 0.4117, 0.2791

Sweetspot

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



18.0131, 0.3371, 0.4859



36.6608, 0.3219, 0.3724



13.5712, 0.4231, 0.4079



8.2476, 0.3227, 0.3767



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.0131, 0.3371, 0.4859



31.2337, 0.3380, 0.5212



16.8771, 0.3008, 0.4919



4.9011, 0.3175, 0.3508



16.0970, 0.3291, 0.5769



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0113, 0.2670, 0.1798



9.4337, 0.2529, 0.1481



8.9556, 0.3270, 0.2075



4.3242, 0.3075, 0.3073



2.9750, 0.2206, 0.0989



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0123, 0.3371, 0.4859 looks on a white background.

Color Contrast Check

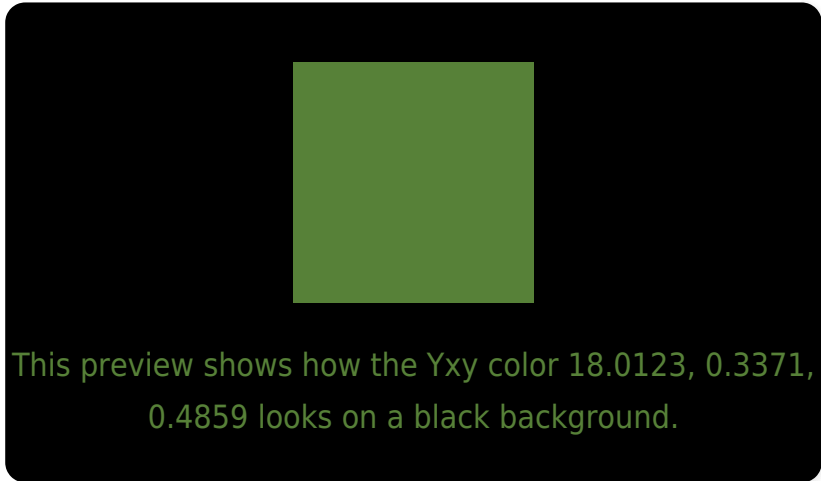
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

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

Yxy 18.0123, 0.3371, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 18.0123, 0.3371, 0.4859.



This preview shows how white text looks on a background with the Yxy color 18.0123, 0.3371, 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

18.0123, 0.3371, 0.4859

Protanopia

17.7163, 0.4075, 0.4460

Deuteranopia

17.8546, 0.4228, 0.4162



Tritanopia

17.9101, 0.2755, 0.3090

Trichromacy



Original Color

18.0123, 0.3371, 0.4859

Protanomaly

17.5092, 0.3803, 0.4618

Deuteranomaly

17.4836, 0.3896, 0.4413

Tritanomaly

17.7945, 0.2990, 0.3715

Monochromacy



Original Color

18.0123, 0.3371, 0.4859

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.9214, 0.3241, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0123, 0.3371, 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(87, 129, 56)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 56)  
}
```

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(87, 129, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 56) }
```

Border

The CSS property to change the border of an element to Yxy 18.0123, 0.3371, 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(87, 129, 56) }
```

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

```
.border{ border-color:rgb(87, 129, 56) }
```

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

Here you see how a box with a 4 pixel rgb(87, 129, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 56);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0123, 0.3371, 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(87, 129, 56) }
```

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

```
.background{ background-color: rgb(87, 129,  
56) }
```

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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