

Converting Colors

$Yxy(16.8733, 0.3541, 0.4886)$

Have a look what the booklet for
Yxy(16.8733, 0.3541, 0.4886)
contains.

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Color

Yxy(16.9559, 0.3538, 0.4896)

Conversions

Conversions Part 1

Format	Color
Hex	5D7C30
RGB	93, 124, 48
RGB Percent	36%, 49%, 19%
CMY	0.6354, 0.5137, 0.8118
CMYK	0.25, 0.00, 0.61, 0.51
HSL	85°, 44%, 34%
HSV	85°, 61%, 49%
XYZ	12.2529, 16.9559, 5.4234
YIQ	106.0670, 5.9200, -30.2080

Conversions

Conversions Part 2

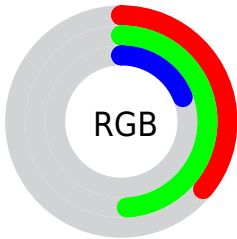
Format	Color
R_{YB}	48, 124, 79
Decimal	6126640
CIE _{Lab}	48.20, -24.16, 37.11
CIE _{LCh}	48, 44.282, 123.066
Yxy	16.9559, 0.3538, 0.4896
Android (android.graphics.Color)	4284316720 (0xFF5D7C30)
YUV	106.0670, -28.6270, -11.4598
Hunter-Lab	41.1775, -18.9460, 21.0153

Details

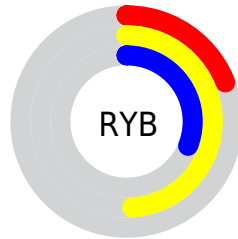
The Yxy color **16.9559, 0.3538, 0.4896** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.2339, 0.2414, 0.1595**, and the grayscale version is **14.5099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3271, 0.3476, 0.4507**, and **5.5457, 0.3532, 0.5577** is the 20% darker color. If you saturate the color by 10%, you get **16.6127, 0.3562, 0.5130**, and if you desaturate by 10%, it is **17.3468, 0.3495, 0.4637**.

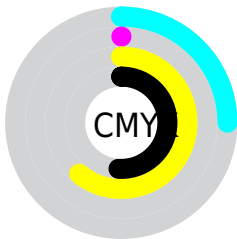
Distribution



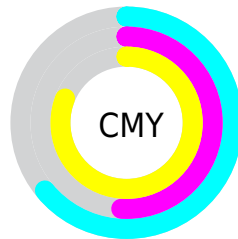
- Red (36%)
- Green (49%)
- Blue (19%)



- Red (19%)
- Yellow (49%)
- Blue (31%)



- Cyan (25%)
- Magenta (0%)
- Yellow (61%)
- Black (51%)





- Cyan (64%)
- Magenta (51%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9559, 0.3538, 0.4896 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 16.9559, 0.3538, 0.4896 by changing the saturation by 10% instead.


 16.9559, 0.3538,
0.4896


 16.9559, 0.3538,
0.4896


 234.9181, 0.3343,
0.3931


 10.2031, 0.3561,
0.5198


 38.2499, 0.3479,
0.4500


 5.5338, 0.3558,
0.5623

 53.5599, 0.3452,
0.4365

 2.5637, 0.3572,
0.6428

 72.4911, 0.3428,
0.4257

 0.9085, 0.2314,
0.7686

 95.4278, 0.3406,
0.4168

 0.0000, 0.0000,
0.0000

 122.7544, 0.3388,
0.4094

 154.8555, 0.3371,

0.4031

192.1152, 0.3356,
0.3977

■ 16.9559, 0.3538,
0.4896

■ 16.9559, 0.3538,
0.4896

■ 16.6127, 0.3562,
0.5130

■ 17.3468, 0.3495,
0.4637

■ 16.3121, 0.3565,
0.5326

■ 17.7855, 0.3437,
0.4364

■ 16.0516, 0.3546,
0.5478

■ 18.2752, 0.3369,
0.4088

■ 15.8484, 0.3520,
0.5587

■ 18.8180, 0.3294,
0.3818

■ 19.4158, 0.3216,
0.3561

■ 20.0704, 0.3137,
0.3320

■ 20.7837, 0.3060,
0.3097

■ 21.5572, 0.2986,
0.2894

■ 22.3927, 0.2916,
0.2710

Harmonies

Analogous

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



16.9559, 0.4284, 0.4625



16.9559, 0.3538, 0.4896



16.9559, 0.2727, 0.4552

Triad

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



16.9559, 0.3538, 0.4896



16.9559, 0.1694, 0.2234



16.9559, 0.4233, 0.2855

Complementary

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



16.9559, 0.3538, 0.4896



5.2339, 0.2414, 0.1595

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.



16.9559, 0.3366, 0.2374



16.9559, 0.3538, 0.4896



16.9559, 0.1966, 0.2016

Square

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



16.9559, 0.3538, 0.4896



16.9559, 0.1721, 0.2789



16.9559, 0.2538, 0.2077



16.9559, 0.4770, 0.3440

Rectangle

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



16.9559, 0.3538, 0.4896



16.9559, 0.2259, 0.3993



16.9559, 0.2538, 0.2077



16.9559, 0.3962, 0.2678

Sweetspot

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



16.9566, 0.3538, 0.4896



33.4007, 0.3272, 0.3743



10.0059, 0.4510, 0.3890



7.8071, 0.3291, 0.3808



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.9566, 0.3538, 0.4896



28.9841, 0.3566, 0.5223



15.4606, 0.3107, 0.5136



4.5562, 0.3198, 0.3505



16.1071, 0.3519, 0.5588



76.3255, 0.3487, 0.5613

Inverse Universe

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



5.2339, 0.2414, 0.1595



6.3904, 0.2204, 0.1228



7.3107, 0.3056, 0.1869



3.9661, 0.3052, 0.3073



2.1841, 0.1891, 0.0815



9.9468, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 16.9559, 0.3538, 0.4896 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 16.9559, 0.3538, 0.4896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

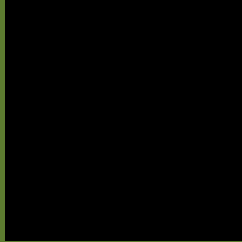
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

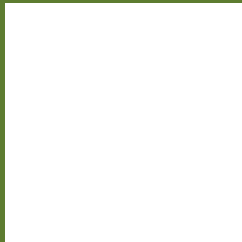
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9559, 0.3538, 0.4896

Background



This preview shows how black text looks on a background with the Yxy color 16.9559, 0.3538, 0.4896.



This preview shows how white text looks on a background with the Yxy color 16.9559, 0.3538, 0.4896.

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

16.9559, 0.3538, 0.4896

Protanopia

16.7361, 0.4132, 0.4537

Deuteranopia

16.8570, 0.4309, 0.4249



Tritanopia

16.8550, 0.2866, 0.3108

Trichromacy



Original Color

16.9559, 0.3538, 0.4896

Protanomaly

16.7990, 0.3908, 0.4676

Deuteranomaly

16.5587, 0.4031, 0.4472

Tritanomaly

16.7094, 0.3130, 0.3762

Monochromacy



Original Color

16.9559, 0.3538, 0.4896

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.2328, 0.3311, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9559, 0.3538, 0.4896 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(93, 124, 48)` looks like.

```
.text, #text, p{  
    color:rgb(93, 124, 48)  
}
```

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(93, 124, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 124, 48) }
```

Border

The CSS property to change the border of an element to Yxy 16.9559, 0.3538, 0.4896 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(93, 124, 48) }
```

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

```
.border{ border-color:rgb(93, 124, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 124, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 124, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 124, 48);  
box-shadow:4px 4px 4px 4px rgb(93, 124,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9559, 0.3538, 0.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 124, 48) }
```

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

```
.background{ background-color: rgb(93, 124,  
48) }
```

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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