

Converting Colors

$Y_{xy}(18.5336, 0.3669, 0.4409)$

Have a look what the booklet for
Yxy(18.5336, 0.3669, 0.4409)
contains.

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Color

Yxy(18.5336, 0.3669, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	747C43
RGB	116, 124, 67
RGB Percent	45%, 49%, 26%
CMY	0.5451, 0.5137, 0.7371
CMYK	0.06, 0.00, 0.46, 0.51
HSL	68°, 30%, 37%
HSV	68°, 46%, 49%
XYZ	15.4229, 18.5336, 8.0793
YIQ	115.1100, 13.5290, -19.4230

Conversions

Conversions Part 2

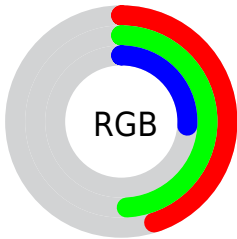
Format	Color
RYB	67, 124, 75
Decimal	7633987
CIELab	50.14, -12.36, 29.99
CIElCh	50, 32.432, 112.394
Yxy	18.5336, 0.3669, 0.4409
Android (android.graphics.Color)	4285824067 (0xFF747C43)
YUV	115.1100, -23.7182, 0.7805
Hunter-Lab	43.0507, -11.3909, 19.0086

Details

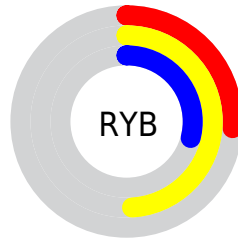
The Yxy color **18.5336, 0.3669, 0.4409** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9711, 0.2410, 0.1964**, and the grayscale version is **17.2506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7466, 0.3564, 0.4144**, and **6.2445, 0.3827, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **18.2827, 0.3766, 0.4634**, and if you desaturate by 10%, it is **18.8203, 0.3559, 0.4168**.

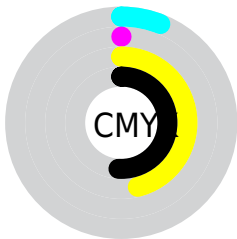
Distribution



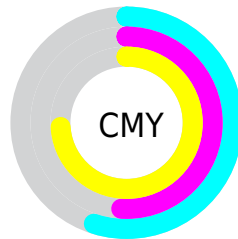
- Red (45%)
- Green (49%)
- Blue (26%)



- Red (26%)
- Yellow (49%)
- Blue (29%)



- Cyan (6%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)





- Cyan (55%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5336, 0.3669, 0.4409 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 18.5336, 0.3669, 0.4409 by changing the saturation by 10% instead.


 18.5336, 0.3669,
0.4409

 18.5336, 0.3669,
0.4409


243.8617, 0.3376,
0.3755


 11.3338, 0.3742,
0.4608


 40.9445, 0.3560,
0.4146

 6.2918, 0.3830,
0.4884


 56.9243, 0.3519,
0.4055

 3.0233, 0.4007,
0.5402

 76.5996, 0.3485,
0.3981

 1.1439, 0.4008,
0.5992

 100.3548, 0.3457,
0.3920

 0.0152, 0.0000,
1.0000

 128.5742, 0.3432,
0.3869

 0.0000, 0.0000,
0.0000

161.6422, 0.3411,

0.3825

199.9432, 0.3392,
0.3788

■ 18.5336, 0.3669,
0.4409

■ 18.5336, 0.3669,
0.4409

■ 18.2827, 0.3766,
0.4634

■ 18.8203, 0.3559,
0.4168

■ 18.0630, 0.3846,
0.4832

■ 19.1422, 0.3441,
0.3919

■ 17.8731, 0.3904,
0.4997

■ 19.5018, 0.3319,
0.3671

■ 17.7103, 0.3939,
0.5122

■ 19.9008, 0.3198,
0.3429

■ 17.5699, 0.3952,
0.5208

■ 20.3407, 0.3080,
0.3198

■ 17.5151, 0.3956,
0.5241

■ 20.8230, 0.2967,
0.2982

■ 21.3489, 0.2860,
0.2781

■ 21.9199, 0.2761,
0.2596

■ 22.5371, 0.2669,
0.2428

Harmonies

Analogous

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



18.5336, 0.4147, 0.4171



18.5336, 0.3669, 0.4409



18.5336, 0.3072, 0.4291

Triad

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



18.5336, 0.3669, 0.4409



18.5336, 0.2032, 0.2653



18.5336, 0.3714, 0.2836

Complementary

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



18.5336, 0.3669, 0.4409



6.9711, 0.2410, 0.1964

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.



18.5336, 0.3085, 0.2506



18.5336, 0.3669, 0.4409



18.5336, 0.2161, 0.2380

Square

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



18.5336, 0.3669, 0.4409



18.5336, 0.2153, 0.3161



18.5336, 0.2526, 0.2340



18.5336, 0.4200, 0.3273

Rectangle

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



18.5336, 0.3669, 0.4409



18.5336, 0.2689, 0.3992



18.5336, 0.2526, 0.2340



18.5336, 0.3509, 0.2711

Sweetspot

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



18.5344, 0.3669, 0.4409



34.4242, 0.3300, 0.3631



9.6728, 0.4213, 0.3448



8.0787, 0.3322, 0.3676



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.



18.5344, 0.3669, 0.4409



32.1557, 0.3769, 0.4641



16.8930, 0.3302, 0.4558



4.6067, 0.3235, 0.3503



17.8035, 0.3955, 0.5241



84.6456, 0.3943, 0.5252

Inverse Universe

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



6.9711, 0.2410, 0.1964



9.1519, 0.2214, 0.1626



8.3637, 0.2834, 0.2106



3.9181, 0.3014, 0.3071



1.6040, 0.1574, 0.0641



7.4232, 0.1546, 0.0625

Previews

White Background



This preview shows how the Yxy color 18.5336, 0.3669, 0.4409 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5336, 0.3669, 0.4409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

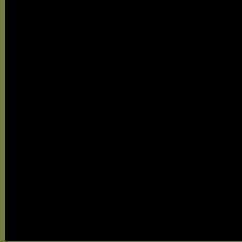
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5336, 0.3669, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 18.5336, 0.3669, 0.4409.



This preview shows how white text looks on a background with the Yxy color 18.5336, 0.3669, 0.4409.

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

18.5336, 0.3669, 0.4409

Protanopia

18.4006, 0.3935, 0.4282

Deuteranopia

18.4840, 0.4128, 0.4066



Tritanopia

18.4399, 0.3097, 0.3122

Trichromacy



Original Color

18.5336, 0.3669, 0.4409

Protanomaly

18.5037, 0.3839, 0.4324

Deuteranomaly

18.4426, 0.3952, 0.4200

Tritanomaly

18.4459, 0.3304, 0.3583

Monochromacy



Original Color

18.5336, 0.3669, 0.4409

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4835, 0.3328, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5336, 0.3669, 0.4409 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(116, 124, 67)` looks like.

```
.text, #text, p{  
    color:rgb(116, 124, 67)  
}
```

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(116, 124, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 124, 67) }
```

Border

The CSS property to change the border of an element to Yxy 18.5336, 0.3669, 0.4409 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(116, 124, 67) }
```

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

```
.border{ border-color:rgb(116, 124, 67) }
```

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

Here you see how a box with a 4 pixel rgb(116, 124, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 124, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 124, 67);  
box-shadow:4px 4px 4px 4px rgb(116, 124,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5336, 0.3669, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 124, 67) }
```

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

```
.background{ background-color: rgb(116,  
124, 67) }
```

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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