

Converting Colors

$Y_{xy}(16.4231, 0.3100, 0.4533)$

Have a look what the booklet for
Yxy(16.4231, 0.3100, 0.4533)
contains.

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Color

Yxy(16.3261, 0.3101, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	4A7C47
RGB	74, 124, 71
RGB Percent	29%, 49%, 28%
CMY	0.7098, 0.5137, 0.7216
CMYK	0.40, 0.00, 0.43, 0.51
HSL	117°, 27%, 38%
HSV	117°, 43%, 49%
XYZ	11.1686, 16.3261, 8.5214
YIQ	103.0080, -12.7870, -27.0830

Conversions

Conversions Part 2

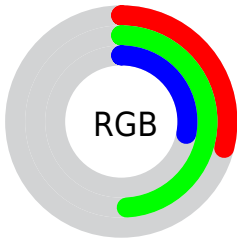
Format	Color
RYB	71, 124, 121
Decimal	4881479
CIELab	47.40, -28.37, 23.76
CIELCh	47, 37.008, 140.056
Yxy	16.3261, 0.3101, 0.4533
Android (android.graphics.Color)	4283071559 (0xFF4A7C47)
YUV	103.0080, -15.7799, -25.4400
Hunter-Lab	40.4056, -21.3702, 15.7798

Details

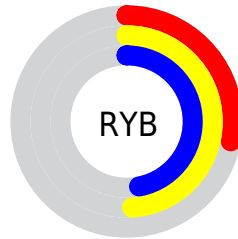
The Yxy color **16.3261, 0.3101, 0.4533** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.0245, 0.3125, 0.2274**, and the grayscale version is **13.6108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1603, 0.3125, 0.4212**, and **5.3009, 0.3013, 0.5188** is the 20% darker color. If you saturate the color by 10%, you get **15.7617, 0.3089, 0.4872**, and if you desaturate by 10%, it is **17.0107, 0.3111, 0.4202**.

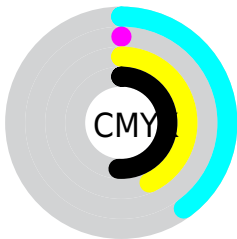
Distribution



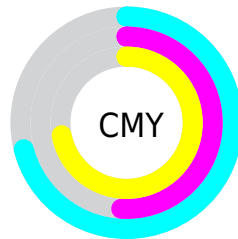
- Red (29%)
- Green (49%)
- Blue (28%)



- Red (28%)
- Yellow (49%)
- Blue (47%)



- Cyan (40%)
- Magenta (0%)
- Yellow (43%)
- Black (51%)





- Cyan (71%)
- Magenta (51%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3261, 0.3101, 0.4533 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 16.3261, 0.3101, 0.4533 by changing the saturation by 10% instead.


 16.3261, 0.3101,
0.4533


 16.3261, 0.3101,
0.4533


231.2583, 0.3139,
0.3768


 9.7552, 0.3072,
0.4796


 37.1634, 0.3126,
0.4209

 5.2370, 0.3012,
0.5191

 52.1986, 0.3131,
0.4102


 2.3870, 0.2938,
0.5971

 70.8240, 0.3135,
0.4017

 0.8192, 0.0950,
0.9050

 93.4241, 0.3137,
0.3949

 0.0000, 0.0000,
0.0000

 120.3831, 0.3138,
0.3892

152.0856, 0.3139,

0.3844

188.9159, 0.3139,
0.3803

■ 16.3261, 0.3101,
0.4533

■ 16.3261, 0.3101,
0.4533

■ 15.7617, 0.3089,
0.4872

■ 17.0107, 0.3111,
0.4202

■ 15.3086, 0.3074,
0.5200

■ 17.8197, 0.3118,
0.3891

■ 14.9601, 0.3058,
0.5493


■ 18.7596, 0.3123,
0.3607


■ 14.7078, 0.3041,
0.5730

■ 19.8359, 0.3126,
0.3354

■ 14.5419, 0.3024,
0.5893

■ 21.0535, 0.3128,
0.3132

 14.4617, 0.3019,
0.5985

 22.4176, 0.3129,
0.2938

 23.9325, 0.3129,
0.2769

 25.6029, 0.3129,
0.2623

 27.4330, 0.3128,
0.2497

Harmonies

Analogous

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



16.3261, 0.3799, 0.4609



16.3261, 0.3101, 0.4533



16.3261, 0.2448, 0.3957

Triad

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



16.3261, 0.3101, 0.4533



16.3261, 0.1982, 0.2239



16.3261, 0.4373, 0.3212

Complementary

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



16.3261, 0.3101, 0.4533



10.0245, 0.3125, 0.2274

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.



16.3261, 0.3765, 0.2721



16.3261, 0.3101, 0.4533



16.3261, 0.2377, 0.2182

Square

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



16.3261, 0.3101, 0.4533



16.3261, 0.1855, 0.2565



16.3261, 0.3013, 0.2357



16.3261, 0.4584, 0.3756

Rectangle

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



16.3261, 0.3101, 0.4533



16.3261, 0.2124, 0.3434



16.3261, 0.3013, 0.2357



16.3261, 0.4205, 0.3039

Sweetspot

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



16.3268, 0.3101, 0.4533



32.9126, 0.3123, 0.3622



18.2862, 0.3760, 0.4239



7.6741, 0.3122, 0.3674



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.



16.3268, 0.3101, 0.4533



27.7840, 0.3089, 0.4854



16.5628, 0.2846, 0.3987



4.4598, 0.3125, 0.3510



14.7004, 0.3019, 0.5985



69.9999, 0.3008, 0.5993

Inverse Universe

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



10.0245, 0.3125, 0.2274



15.1797, 0.3120, 0.2070



9.7304, 0.3571, 0.2691



4.0665, 0.3129, 0.3078



5.3205, 0.3072, 0.1466



25.2524, 0.3065, 0.1462

Previews

White Background



This preview shows how the Yxy color 16.3261, 0.3101, 0.4533 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 16.3261, 0.3101, 0.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

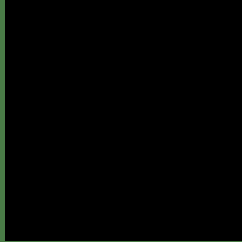
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3261, 0.3101, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 16.3261, 0.3101, 0.4533.



This preview shows how white text looks on a background with the Yxy color 16.3261, 0.3101, 0.4533.

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

16.3261, 0.3101, 0.4533

Protanopia

16.1926, 0.3869, 0.4192

Deuteranopia

16.0917, 0.3956, 0.3891



Tritanopia

16.1862, 0.2650, 0.3078

Trichromacy



Original Color

16.3261, 0.3101, 0.4533

Protanomaly

15.9114, 0.3556, 0.4315

Deuteranomaly

15.7494, 0.3603, 0.4105

Tritanomaly

16.2438, 0.2813, 0.3580

Monochromacy



Original Color

16.3261, 0.3101, 0.4533

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3995, 0.3119, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3261, 0.3101, 0.4533 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(74, 124, 71)` looks like.

```
.text, #text, p{  
    color:rgb(74, 124, 71)  
}
```

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(74, 124, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 124, 71) }
```

Border

The CSS property to change the border of an element to Yxy 16.3261, 0.3101, 0.4533 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(74, 124, 71) }
```

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

```
.border{ border-color:rgb(74, 124, 71) }
```

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

Here you see how a box with a 4 pixel rgb(74, 124, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 124, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 124, 71);  
box-shadow:4px 4px 4px 4px rgb(74, 124,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3261, 0.3101, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 124, 71) }
```

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

```
.background{ background-color: rgb(74, 124,  
71) }
```

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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