

Converting Colors

$Y_{xy}(16.0420, 0.3002, 0.4274)$

Have a look what the booklet for
Yxy(16.0420, 0.3002, 0.4274)
contains.

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Color

Yxy(15.9690, 0.3004, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	4A7A51
RGB	74, 122, 81
RGB Percent	29%, 48%, 32%
CMY	0.7098, 0.5216, 0.6823
CMYK	0.39, 0.00, 0.34, 0.52
HSL	129°, 24%, 38%
HSV	129°, 39%, 48%
XYZ	11.2687, 15.9690, 10.2746
YIQ	102.9740, -15.4470, -22.9270

Conversions

Conversions Part 2

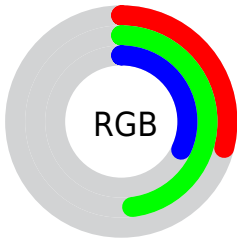
Format	Color
R_{YB}	74, 116, 122
Decimal	4880977
CIE _{Lab}	46.93, -25.64, 17.45
CIE _{LCh}	47, 31.013, 145.754
Yxy	15.9690, 0.3004, 0.4257
Android (android.graphics.Color)	4283071057 (0xFF4A7A51)
YUV	102.9740, -10.8332, -25.4102
Hunter-Lab	39.9612, -19.5968, 12.7285

Details

The Yxy color **15.9690, 0.3004, 0.4257** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.2722, 0.3283, 0.2486**, and the grayscale version is **13.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6586, 0.3043, 0.4001**, and **5.0991, 0.2901, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **15.3870, 0.2978, 0.4555**, and if you desaturate by 10%, it is **16.6702, 0.3034, 0.3975**.

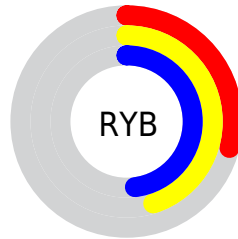
Distribution



Red (29%)

Green (48%)

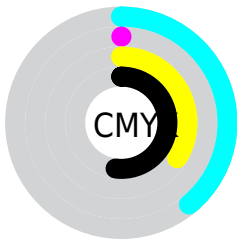
Blue (32%)



Red (29%)

Yellow (45%)

Blue (48%)

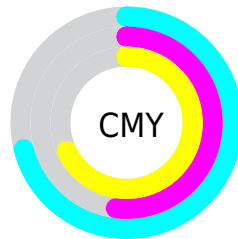


Cyan (39%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (71%)


Magenta (52%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9690, 0.3004, 0.4257 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 15.9690, 0.3004, 0.4257 by changing the saturation by 10% instead.


 15.9690, 0.3004,
0.4257

 15.9690, 0.3004,
0.4257

229.1587, 0.3090,
0.3662


 9.5022, 0.2967,
0.4463


 36.5444, 0.3045,
0.4005


 5.0702, 0.2902,
0.4776

 51.4218, 0.3057,
0.3922


 2.2885, 0.2779,
0.5314

 69.8715, 0.3066,
0.3856

 0.7676, 0.1191,
0.8809

 92.2779, 0.3073,
0.3803

 0.0000, 0.0000,
0.0000

 119.0255, 0.3079,
0.3759

150.4985, 0.3083,

0.3722

187.0815, 0.3087,
0.3690

■ 15.9690, 0.3004,
0.4257

■ 15.9690, 0.3004,
0.4257

■ 15.3870, 0.2978,
0.4555

■ 16.6702, 0.3034,
0.3975

■ 14.9157, 0.2957,
0.4860

■ 17.4948, 0.3066,
0.3717

■ 14.5486, 0.2944,
0.5156


■ 18.4489, 0.3098,
0.3484


■ 14.2777, 0.2941,
0.5426

■ 19.5378, 0.3129,
0.3277

■ 14.0936, 0.2947,
0.5653

■ 20.7666, 0.3159,
0.3096

 13.9703, 0.2955,
0.5828

 22.1399, 0.3188,
0.2938

 13.9629, 0.2955,
0.5838

 23.6623, 0.3215,
0.2800

 25.3380, 0.3239,
0.2681

 27.1712, 0.3262,
0.2577

Harmonies

Analogous

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



15.9690, 0.3607, 0.4422



15.9690, 0.3004, 0.4257



15.9690, 0.2465, 0.3728

Triad

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



15.9690, 0.3004, 0.4257



15.9690, 0.2187, 0.2360



15.9690, 0.4242, 0.3326

Complementary

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



15.9690, 0.3004, 0.4257



10.2722, 0.3283, 0.2486

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.



15.9690, 0.3783, 0.2879



15.9690, 0.3004, 0.4257



15.9690, 0.2578, 0.2345

Square

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



15.9690, 0.3004, 0.4257



15.9690, 0.2030, 0.2607



15.9690, 0.3155, 0.2532



15.9690, 0.4356, 0.3801

Rectangle

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



15.9690, 0.3004, 0.4257



15.9690, 0.2209, 0.3298



15.9690, 0.3155, 0.2532



15.9690, 0.4121, 0.3170

Sweetspot

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



15.9697, 0.3004, 0.4257



31.9378, 0.3088, 0.3550



18.0999, 0.3602, 0.4248



7.2647, 0.3085, 0.3572



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.



15.9697, 0.3004, 0.4257



27.1830, 0.2981, 0.4519



16.3831, 0.2771, 0.3690



4.4586, 0.3099, 0.3478



14.6991, 0.2956, 0.5841



70.0366, 0.2972, 0.5899

Inverse Universe

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



10.2722, 0.3283, 0.2486



15.7020, 0.3327, 0.2316



9.8004, 0.3703, 0.2929



4.0679, 0.3157, 0.3109



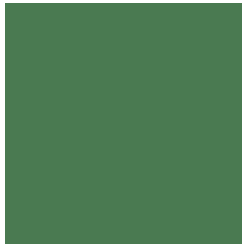
5.4113, 0.3602, 0.1758



25.7149, 0.3625, 0.1771

Previews

White Background



This preview shows how the Yxy color 15.9690, 0.3004, 0.4257 looks on a white background.

Color Contrast Check

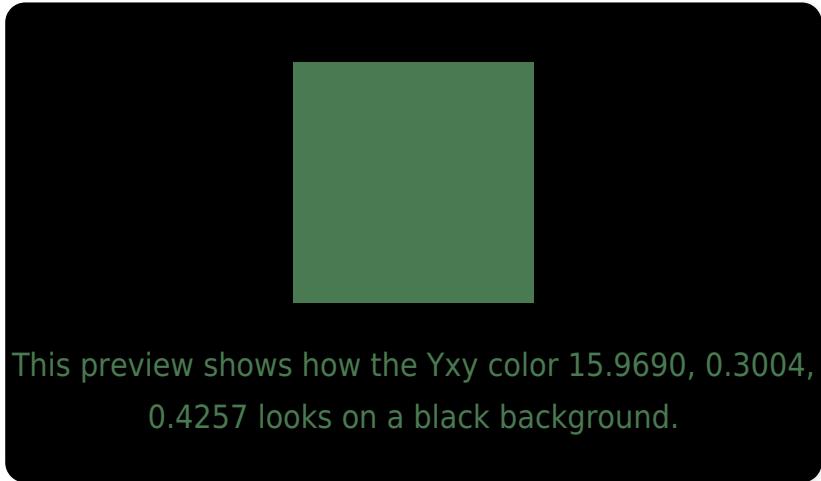
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

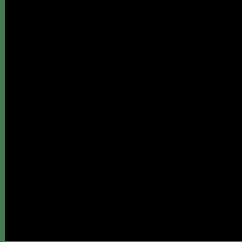
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9690, 0.3004, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 15.9690, 0.3004, 0.4257.



This preview shows how white text looks on a background with the Yxy color 15.9690, 0.3004, 0.4257.

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

15.9690, 0.3004, 0.4257

Protanopia

15.8838, 0.3707, 0.3996

Deuteranopia

15.6940, 0.3779, 0.3716



Tritanopia

15.8361, 0.2637, 0.3075

Trichromacy



Original Color

15.9690, 0.3004, 0.4257

Protanomaly

15.6951, 0.3417, 0.4094

Deuteranomaly

15.5279, 0.3467, 0.3905

Tritanomaly

15.7881, 0.2768, 0.3468

Monochromacy



Original Color

15.9690, 0.3004, 0.4257

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.2534, 0.3071, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9690, 0.3004, 0.4257 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, 122, 81)` looks like.

```
.text, #text, p{  
    color:rgb(74, 122, 81)  
}
```

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, 122, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 122, 81) }
```

Border

The CSS property to change the border of an element to Yxy 15.9690, 0.3004, 0.4257 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, 122, 81) }
```

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

```
.border{ border-color:rgb(74, 122, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 122, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 122, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 122, 81);  
box-shadow:4px 4px 4px 4px rgb(74, 122,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9690, 0.3004, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 122, 81) }
```

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

```
.background{ background-color: rgb(74, 122,  
81) }
```

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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