

Converting Colors

$Yxy(16.0648, 0.3086, 0.4342)$

Have a look what the booklet for
Yxy(16.0648, 0.3086, 0.4342)
contains.

Yxy(16.0746, 0.3089, 0.4340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.0746, 0.3089, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	4E7A4D
RGB	78, 122, 77
RGB Percent	31%, 48%, 30%
CMY	0.6941, 0.5216, 0.6980
CMYK	0.36, 0.00, 0.37, 0.52
HSL	119°, 23%, 39%
HSV	119°, 37%, 48%
XYZ	11.4411, 16.0746, 9.5225
YIQ	103.7140, -11.7790, -23.3230

Conversions

Conversions Part 2

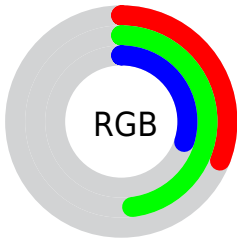
Format	Color
RYB	77, 122, 121
Decimal	5143117
CIELab	47.07, -24.99, 19.97
CIElCh	47, 31.986, 141.368
Yxy	16.0746, 0.3089, 0.4340
Android (android.graphics.Color)	4283333197 (0xFF4E7A4D)
YUV	103.7140, -13.1700, -22.5512
Hunter-Lab	40.0931, -19.2256, 13.9832

Details

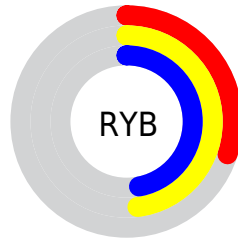
The Yxy color **16.0746, 0.3089, 0.4340** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.7804, 0.3152, 0.2418**, and the grayscale version is **13.8016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8334, 0.3116, 0.4077**, and **5.1454, 0.3023, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **15.4597, 0.3075, 0.4679**, and if you desaturate by 10%, it is **16.8147, 0.3102, 0.4017**.

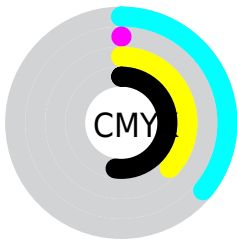
Distribution



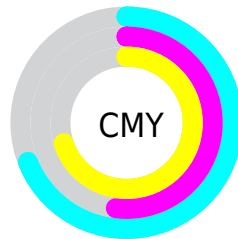
- Red (31%)
- Green (48%)
- Blue (30%)



- Red (30%)
- Yellow (48%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (52%)




- Cyan (69%)
- Magenta (52%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0746, 0.3089, 0.4340 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 16.0746, 0.3089, 0.4340 by changing the saturation by 10% instead.


 16.0746, 0.3089,
0.4340


 16.0746, 0.3089,
0.4340


229.7815, 0.3128,
0.3695


 9.5770, 0.3065,
0.4562


 36.7277, 0.3111,
0.4067


 5.1194, 0.3018,
0.4898

 51.6519, 0.3117,
0.3977


 2.3175, 0.2932,
0.5498

 70.1537, 0.3120,
0.3906

 0.7829, 0.1463,
0.8537

 92.6176, 0.3123,
0.3848

 0.0000, 0.0000,
0.0000

 119.4280, 0.3125,
0.3800

150.9691, 0.3126,

0.3759

187.6255, 0.3127,
0.3725

■ 16.0746, 0.3089,
0.4340

■ 16.0746, 0.3089,
0.4340

■ 15.4597, 0.3075,
0.4679

■ 16.8147, 0.3102,
0.4017

■ 14.9611, 0.3060,
0.5019

■ 17.6841, 0.3112,
0.3721

■ 14.5722, 0.3045,
0.5337


■ 18.6894, 0.3122,
0.3455


■ 14.2846, 0.3030,
0.5610


■ 19.8361, 0.3129,
0.3220

■ 14.0890, 0.3017,
0.5816

■ 21.1293, 0.3136,
0.3015


 13.9693, 0.3009,
0.5954

 22.5739, 0.3141,
0.2838

 13.9370, 0.3008,
0.5994

 24.1746, 0.3145,
0.2685

 25.9360, 0.3149,
0.2553

 27.8622, 0.3152,
0.2438

Harmonies

Analogous

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



16.0746, 0.3704, 0.4444



16.0746, 0.3089, 0.4340



16.0746, 0.2516, 0.3836

Triad

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



16.0746, 0.3089, 0.4340



16.0746, 0.2124, 0.2357



16.0746, 0.4225, 0.3254

Complementary

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



16.0746, 0.3089, 0.4340



10.7804, 0.3152, 0.2418

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.



16.0746, 0.3712, 0.2808



16.0746, 0.3089, 0.4340



16.0746, 0.2490, 0.2310

Square

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



16.0746, 0.3089, 0.4340



16.0746, 0.2000, 0.2645



16.0746, 0.3061, 0.2473



16.0746, 0.4398, 0.3741

Rectangle

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



16.0746, 0.3089, 0.4340



16.0746, 0.2233, 0.3393



16.0746, 0.3061, 0.2473



16.0746, 0.4084, 0.3097

Sweetspot

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



16.0753, 0.3089, 0.4340



32.0730, 0.3118, 0.3568



18.2279, 0.3664, 0.4137



7.2912, 0.3117, 0.3595



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.



16.0753, 0.3089, 0.4340



27.3782, 0.3078, 0.4617



16.3798, 0.2865, 0.3838



4.4538, 0.3120, 0.3510



14.6723, 0.3007, 0.5994



69.9396, 0.3003, 0.5997

Inverse Universe

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



10.7804, 0.3152, 0.2418



16.6649, 0.3156, 0.2235



10.3867, 0.3517, 0.2804



4.0732, 0.3134, 0.3079



5.6320, 0.3156, 0.1512



26.8136, 0.3153, 0.1511

Previews

White Background



This preview shows how the Yxy color 16.0746, 0.3089, 0.4340 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 16.0746, 0.3089, 0.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

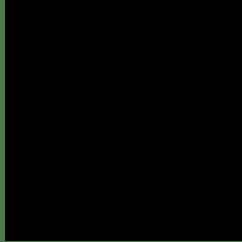
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0746, 0.3089, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 16.0746, 0.3089, 0.4340.



This preview shows how white text looks on a background with the Yxy color 16.0746, 0.3089, 0.4340.

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

16.0746, 0.3089, 0.4340

Protanopia

15.9149, 0.3760, 0.4051

Deuteranopia

15.7928, 0.3865, 0.3787



Tritanopia

15.9977, 0.2688, 0.3098

Trichromacy



Original Color

16.0746, 0.3089, 0.4340

Protanomaly

15.7591, 0.3492, 0.4172

Deuteranomaly

15.5976, 0.3546, 0.3983

Tritanomaly

15.9244, 0.2832, 0.3511

Monochromacy



Original Color

16.0746, 0.3089, 0.4340

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6099, 0.3123, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0746, 0.3089, 0.4340 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(78, 122, 77)` looks like.

```
.text, #text, p{  
    color:rgb(78, 122, 77)  
}
```

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(78, 122, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 77) }
```

Border

The CSS property to change the border of an element to Yxy 16.0746, 0.3089, 0.4340 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(78, 122, 77) }
```

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

```
.border{ border-color:rgb(78, 122, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 122, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 77);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0746, 0.3089, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 122, 77) }
```

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

```
.background{ background-color: rgb(78, 122,  
77) }
```

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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