

Converting Colors

$Yxy(15.9896, 0.3067, 0.4069)$

Have a look what the booklet for
Yxy(15.9896, 0.3067, 0.4069)
contains.

Yxy(15.9896, 0.3067, 0.4069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9896, 0.3067, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	547856
RGB	84, 120, 86
RGB Percent	33%, 47%, 34%
CMY	0.6706, 0.5294, 0.6628
CMYK	0.30, 0.00, 0.28, 0.53
HSL	123°, 18%, 40%
HSV	123°, 30%, 47%
XYZ	12.0521, 15.9896, 11.2544
YIQ	105.3600, -10.5420, -18.2060

Conversions

Conversions Part 2

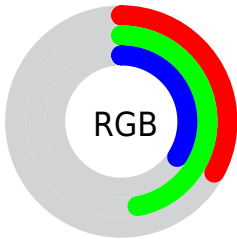
Format	Color
R_{YB}	84, 118, 120
Decimal	5535830
CIE _{Lab}	46.96, -20.19, 14.69
CIE _{LCh}	47, 24.968, 143.953
Yxy	15.9896, 0.3067, 0.4069
Android (android.graphics.Color)	4283725910 (0xFF547856)
YUV	105.3600, -9.5445, -18.7327
Hunter-Lab	39.9870, -16.1771, 11.3036

Details

The Yxy color **15.9896, 0.3067, 0.4069** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6420, 0.3190, 0.2618**, and the grayscale version is **14.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4335, 0.3092, 0.3859**, and **5.0530, 0.3020, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **15.3147, 0.3046, 0.4381**, and if you desaturate by 10%, it is **16.7897, 0.3088, 0.3780**.

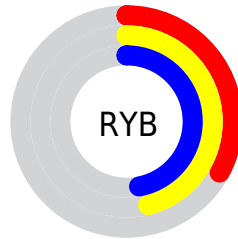
Distribution



Red (33%)

Green (47%)

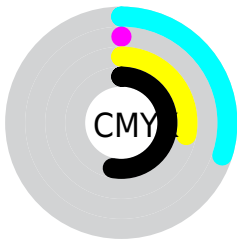
Blue (34%)



Red (33%)

Yellow (46%)

Blue (47%)

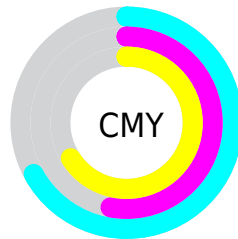


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9896, 0.3067, 0.4069 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 15.9896, 0.3067, 0.4069 by changing the saturation by 10% instead.


 15.9896, 0.3067,
0.4069


 15.9896, 0.3067,
0.4069


229.2803, 0.3111,
0.3594

 9.5168, 0.3046,
0.4232


 36.5801, 0.3089,
0.3868


 5.0798, 0.3010,
0.4478

 51.4667, 0.3095,
0.3802


 2.2941, 0.2936,
0.4892

 69.9266, 0.3099,
0.3750

 0.7706, 0.2372,
0.7628

 92.3442, 0.3103,
0.3707

 0.0000, 0.0000,
0.0000

 119.1040, 0.3106,
0.3671

150.5904, 0.3108,

0.3641

187.1877, 0.3110,
0.3616

■ 15.9896, 0.3067,
0.4069

■ 15.9896, 0.3067,
0.4069

■ 15.3147, 0.3046,
0.4381

■ 16.7897, 0.3088,
0.3780

■ 14.7568, 0.3027,
0.4708

■ 17.7187, 0.3108,
0.3520

■ 14.3099, 0.3010,
0.5034


■ 18.7828, 0.3127,
0.3290


■ 13.9664, 0.2997,
0.5340


■ 19.9870, 0.3145,
0.3088

■ 13.7181, 0.2990,
0.5603

■ 21.3362, 0.3161,
0.2913


 13.5554, 0.2988,
0.5804

 22.8349, 0.3176,
0.2761

 13.4482, 0.2984,
0.5942

 24.4876, 0.3189,
0.2630

 26.2984, 0.3201,
0.2517

 28.2715, 0.3212,
0.2419

Harmonies

Analogous

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



15.9896, 0.3556, 0.4194



15.9896, 0.3067, 0.4069



15.9896, 0.2616, 0.3671

Triad

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



15.9896, 0.3067, 0.4069



15.9896, 0.2341, 0.2536



15.9896, 0.4007, 0.3309

Complementary

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



15.9896, 0.3067, 0.4069



11.6420, 0.3190, 0.2618

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.



15.9896, 0.3629, 0.2936



15.9896, 0.3067, 0.4069



15.9896, 0.2659, 0.2506

Square

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



15.9896, 0.3067, 0.4069



15.9896, 0.2221, 0.2762



15.9896, 0.3125, 0.2651



15.9896, 0.4122, 0.3703

Rectangle

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



15.9896, 0.3067, 0.4069



15.9896, 0.2395, 0.3335



15.9896, 0.3125, 0.2651



15.9896, 0.3905, 0.3179

Sweetspot

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



15.9903, 0.3067, 0.4069



31.3001, 0.3110, 0.3501



17.9395, 0.3533, 0.4007



7.3673, 0.3107, 0.3531



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.



15.9903, 0.3067, 0.4069



27.2825, 0.3053, 0.4282



16.3139, 0.2878, 0.3650



4.4532, 0.3110, 0.3498



14.6698, 0.2985, 0.5945



69.9355, 0.2993, 0.5976

Inverse Universe

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



11.6420, 0.3190, 0.2618



18.3333, 0.3207, 0.2466



11.2578, 0.3474, 0.2957



4.0739, 0.3145, 0.3090



5.6646, 0.3348, 0.1618



26.9785, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 15.9896, 0.3067, 0.4069 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 15.9896, 0.3067, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

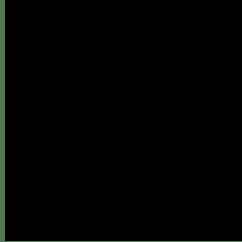
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9896, 0.3067, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 15.9896, 0.3067, 0.4069.



This preview shows how white text looks on a background with the Yxy color 15.9896, 0.3067, 0.4069.

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

15.9896, 0.3067, 0.4069

Protanopia

15.9000, 0.3615, 0.3879

Deuteranopia

15.9038, 0.3688, 0.3640



Tritanopia

15.9409, 0.2738, 0.3100

Trichromacy



Original Color

15.9896, 0.3067, 0.4069

Protanomaly

15.7233, 0.3402, 0.3955

Deuteranomaly

15.8036, 0.3445, 0.3790

Tritanomaly

15.9231, 0.2854, 0.3443

Monochromacy



Original Color

15.9896, 0.3067, 0.4069

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5751, 0.3101, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9896, 0.3067, 0.4069 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(84, 120, 86)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 86)  
}
```

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(84, 120, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 86) }
```

Border

The CSS property to change the border of an element to Yxy 15.9896, 0.3067, 0.4069 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(84, 120, 86) }
```

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

```
.border{ border-color:rgb(84, 120, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 86);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9896, 0.3067, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 86) }
```

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

```
.background{ background-color: rgb(84, 120,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor