

Converting Colors

$Y_{xy}(17.4008, 0.3040, 0.3939)$

Have a look what the booklet for
Yxy(17.4008, 0.3040, 0.3939)
contains.

Yxy(17.3971, 0.3050, 0.3947)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(17.3971, 0.3050, 0.3947)$

Conversions

Conversions Part 1

Format	Color
Hex	5A7C5E
RGB	90, 124, 94
RGB Percent	35%, 49%, 37%
CMY	0.6471, 0.5137, 0.6314
CMYK	0.27, 0.00, 0.24, 0.51
HSL	127°, 16%, 42%
HSV	127°, 27%, 49%
XYZ	13.4434, 17.3971, 13.2363
YIQ	110.4140, -10.6340, -16.5380

Conversions

Conversions Part 2

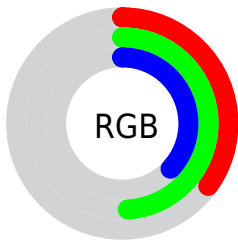
Format	Color
R_{YB}	90, 120, 124
Decimal	5930078
CIE _{Lab}	48.76, -18.61, 12.57
CIE _{LCh}	49, 22.461, 145.957
Yxy	17.3971, 0.3050, 0.3947
Android (android.graphics.Color)	4284120158 (0xFF5A7C5E)
YUV	110.4140, -8.0921, -17.9031
Hunter-Lab	41.7098, -15.4602, 10.3817

Details

The Yxy color **17.3971, 0.3050, 0.3947** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.9527, 0.3215, 0.2711**, and the grayscale version is **15.7438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1206, 0.3078, 0.3794**, and **5.7591, 0.2997, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **16.6444, 0.3023, 0.4235**, and if you desaturate by 10%, it is **18.2829, 0.3078, 0.3684**.

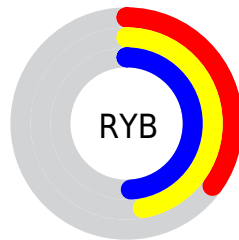
Distribution



Red (35%)

Green (49%)

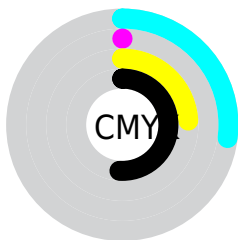
Blue (37%)



Red (35%)

Yellow (47%)

Blue (49%)

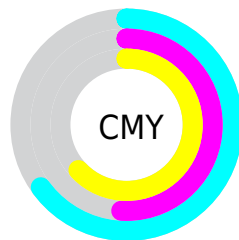


Cyan (27%)

Magenta (0%)

Yellow (24%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3971, 0.3050, 0.3947 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 17.3971, 0.3050, 0.3947 by changing the saturation by 10% instead.


 17.3971, 0.3050,
0.3947


 17.3971, 0.3050,
0.3947


237.4505, 0.3101,
0.3552


 10.5180, 0.3030,
0.4078


 39.0073, 0.3073,
0.3783


 5.7437, 0.2996,
0.4274

 54.5072, 0.3080,
0.3728

 2.6899, 0.2934,
0.4596

 73.6494, 0.3086,
0.3684

 0.9721, 0.2891,
0.6017

 96.8185, 0.3090,
0.3648

 0.0000, 0.0000,
0.0000

124.3987, 0.3094,
0.3618

156.7745, 0.3097,

0.3593

194.3303, 0.3099,
0.3571

■ 17.3971, 0.3050,
0.3947

■ 17.3971, 0.3050,
0.3947

■ 16.6444, 0.3023,
0.4235

■ 18.2829, 0.3078,
0.3684

■ 16.0162, 0.2998,
0.4541

■ 19.3055, 0.3107,
0.3448

■ 15.5065, 0.2977,
0.4854

■ 20.4711, 0.3134,
0.3239

■ 15.1077, 0.2963,
0.5158

■ 21.7850, 0.3160,
0.3056

■ 14.8116, 0.2957,
0.5436

■ 23.2520, 0.3184,
0.2897

■ 14.6086, 0.2960,
0.5668

■ 24.8770, 0.3207,
0.2759

■ 14.4789, 0.2967,
0.5842

■ 26.6645, 0.3228,
0.2639

■ 14.4499, 0.2966,
0.5878

■ 28.6188, 0.3247,
0.2536

■ 30.7440, 0.3264,
0.2446

Harmonies

Analogous

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



17.3971, 0.3481, 0.4078



17.3971, 0.3050, 0.3947



17.3971, 0.2657, 0.3594

Triad

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



17.3971, 0.3050, 0.3947



17.3971, 0.2447, 0.2618



17.3971, 0.3910, 0.3336

Complementary

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



17.3971, 0.3050, 0.3947



12.9527, 0.3215, 0.2711

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.



17.3971, 0.3594, 0.2999



17.3971, 0.3050, 0.3947



17.3971, 0.2741, 0.2599

Square

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



17.3971, 0.3050, 0.3947



17.3971, 0.2327, 0.2811



17.3971, 0.3158, 0.2737



17.3971, 0.3996, 0.3683

Rectangle

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



17.3971, 0.3050, 0.3947



17.3971, 0.2467, 0.3305



17.3971, 0.3158, 0.2737



17.3971, 0.3826, 0.3219

Sweetspot

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



17.3978, 0.3050, 0.3947



33.8244, 0.3105, 0.3465



19.1504, 0.3469, 0.3954



7.9080, 0.3101, 0.3494



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.



17.3978, 0.3050, 0.3947



29.7448, 0.3032, 0.4127



17.7368, 0.2874, 0.3567



4.4569, 0.3102, 0.3484



14.6882, 0.2966, 0.5879



69.9958, 0.2981, 0.5930

Inverse Universe

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



12.9527, 0.3215, 0.2711



20.5363, 0.3239, 0.2576



12.5764, 0.3474, 0.3030



4.0698, 0.3153, 0.3103



5.4878, 0.3518, 0.1712



26.0957, 0.3536, 0.1722

Previews

White Background



This preview shows how the Yxy color 17.3971, 0.3050, 0.3947 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 17.3971, 0.3050, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

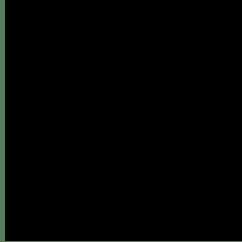
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3971, 0.3050, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 17.3971, 0.3050, 0.3947.



This preview shows how white text looks on a background with the Yxy color 17.3971, 0.3050, 0.3947.

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

17.3971, 0.3050, 0.3947

Protanopia

17.2106, 0.3548, 0.3783

Deuteranopia

17.2185, 0.3616, 0.3554



Tritanopia

17.2654, 0.2750, 0.3086

Trichromacy



Original Color

17.3971, 0.3050, 0.3947

Protanomaly

17.0917, 0.3359, 0.3847

Deuteranomaly

17.1172, 0.3385, 0.3693

Tritanomaly

17.3154, 0.2863, 0.3394

Monochromacy



Original Color

17.3971, 0.3050, 0.3947

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.1445, 0.3103, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3971, 0.3050, 0.3947 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(90, 124, 94)` looks like.

```
.text, #text, p{  
    color:rgb(90, 124, 94)  
}
```

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(90, 124, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 124, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.3971, 0.3050, 0.3947 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(90, 124, 94) }
```

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

```
.border{ border-color:rgb(90, 124, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 124, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 124, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 124, 94);  
box-shadow:4px 4px 4px 4px rgb(90, 124,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3971, 0.3050, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 124, 94) }
```

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

```
.background{ background-color: rgb(90, 124,  
94) }
```

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