

Converting Colors

$Y_{xy}(13.2451, 0.3073, 0.4438)$

Have a look what the booklet for
Yxy(13.2451, 0.3073, 0.4438)
contains.

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Color

Yxy(13.1869, 0.3073, 0.4442)

Conversions

Conversions Part 1

Format	Color
Hex	437043
RGB	67, 112, 67
RGB Percent	26%, 44%, 26%
CMY	0.7372, 0.5608, 0.7372
CMYK	0.40, 0.00, 0.40, 0.56
HSL	120°, 25%, 35%
HSV	120°, 40%, 44%
XYZ	9.1228, 13.1869, 7.3772
YIQ	93.4150, -12.3750, -23.5350

Conversions

Conversions Part 2

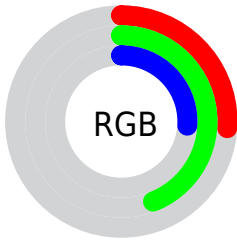
Format	Color
RYB	67, 112, 112
Decimal	4419651
CIELab	43.04, -25.57, 20.26
CIELCh	43, 32.626, 141.602
Yxy	13.1869, 0.3073, 0.4442
Android (android.graphics.Color)	4282609731 (0xFF437043)
YUV	93.4150, -13.0226, -23.1660
Hunter-Lab	36.3138, -18.7062, 13.3748

Details

The Yxy color **13.1869, 0.3073, 0.4442** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.6296, 0.3171, 0.2356**, and the grayscale version is **11.0827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5938, 0.3097, 0.4118**, and **3.8573, 0.2971, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **12.7074, 0.3057, 0.4782**, and if you desaturate by 10%, it is **13.7701, 0.3088, 0.4114**.

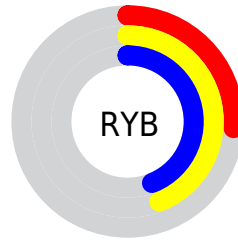
Distribution



Red (26%)

Green (44%)

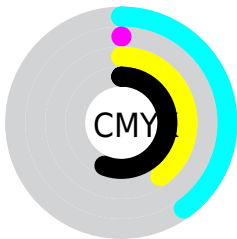
Blue (26%)



Red (26%)

Yellow (44%)

Blue (44%)

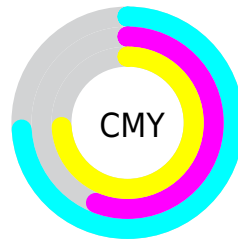


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (56%)



Cyan (74%)


Magenta (56%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1869, 0.3073, 0.4442 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 13.1869, 0.3073, 0.4442 by changing the saturation by 10% instead.


 13.1869, 0.3073,
0.4442


 13.1869, 0.3073,
0.4442


212.1120, 0.3125,
0.3714


 7.5574, 0.3039,
0.4708


 31.6392, 0.3103,
0.4126

 3.8131, 0.2971,
0.5124

 45.2307, 0.3110,
0.4024

 1.5695, 0.3025,
0.6346

 62.2450, 0.3115,
0.3945

 0.3369, 0.0000,
1.0000

 83.0664, 0.3119,
0.3881

 0.0000, 0.0000,
0.0000

 108.0795, 0.3121,
0.3828

137.6685, 0.3123,

0.3784

172.2179, 0.3124,
0.3746

■ 13.1869, 0.3073,
0.4442

■ 13.1869, 0.3073,
0.4442

■ 12.7074, 0.3057,
0.4782

■ 13.7701, 0.3088,
0.4114

■ 12.3240, 0.3041,
0.5116

■ 14.4607, 0.3103,
0.3811

■ 12.0307, 0.3027,
0.5423


■ 15.2645, 0.3116,
0.3537

■ 11.8202, 0.3015,
0.5678


■ 16.1862, 0.3127,
0.3294


■ 11.6839, 0.3006,
0.5861


■ 17.2302, 0.3137,
0.3082

 11.5885, 0.3000,
0.6000

 18.4008, 0.3146,
0.2898

 19.7020, 0.3153,
0.2738

 21.1378, 0.3160,
0.2601

 22.7118, 0.3165,
0.2483

Harmonies

Analogous

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



13.1869, 0.3739, 0.4548



13.1869, 0.3073, 0.4442



13.1869, 0.2457, 0.3882

Triad

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



13.1869, 0.3073, 0.4442



13.1869, 0.2048, 0.2280



13.1869, 0.4327, 0.3247

Complementary

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



13.1869, 0.3073, 0.4442



8.6296, 0.3171, 0.2356

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.



13.1869, 0.3768, 0.2771



13.1869, 0.3073, 0.4442



13.1869, 0.2440, 0.2236

Square

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



13.1869, 0.3073, 0.4442



13.1869, 0.1913, 0.2582



13.1869, 0.3057, 0.2413



13.1869, 0.4508, 0.3769

Rectangle

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



13.1869, 0.3073, 0.4442



13.1869, 0.2155, 0.3391



13.1869, 0.3057, 0.2413



13.1869, 0.4174, 0.3080

Sweetspot

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



13.1875, 0.3073, 0.4442



26.4962, 0.3113, 0.3593



15.4386, 0.3695, 0.4229



6.3330, 0.3112, 0.3617



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1875, 0.3073, 0.4442



22.3936, 0.3058, 0.4751



13.5118, 0.2831, 0.3850



3.7632, 0.3117, 0.3507



13.3969, 0.3000, 0.6000



66.7359, 0.3000, 0.6000

Inverse Universe

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



8.6296, 0.3171, 0.2356



13.2177, 0.3180, 0.2163



8.1897, 0.3589, 0.2796



3.4535, 0.3137, 0.3083



5.3342, 0.3210, 0.1542



26.5716, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.1869, 0.3073, 0.4442 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 13.1869, 0.3073, 0.4442 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 13.1869, 0.3073, 0.4442

Background



This preview shows how black text looks on a background with the Yxy color 13.1869, 0.3073, 0.4442.



This preview shows how white text looks on a background with the Yxy color 13.1869, 0.3073, 0.4442.

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

13.1869, 0.3073, 0.4442

Protanopia

12.9812, 0.3799, 0.4116

Deuteranopia

13.0565, 0.3909, 0.3847



Tritanopia

13.0824, 0.2644, 0.3081

Trichromacy



Original Color

13.1869, 0.3073, 0.4442

Protanomaly

12.8530, 0.3505, 0.4253

Deuteranomaly

12.6991, 0.3566, 0.4046

Tritanomaly

13.0234, 0.2798, 0.3533

Monochromacy



Original Color

13.1869, 0.3073, 0.4442

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6393, 0.3109, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1869, 0.3073, 0.4442 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(67, 112, 67)` looks like.

```
.text, #text, p{  
    color:rgb(67, 112, 67)  
}
```

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(67, 112, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 112, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.1869, 0.3073, 0.4442 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(67, 112, 67) }
```

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

```
.border{ border-color:rgb(67, 112, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 112, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 112, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 112, 67);  
box-shadow:4px 4px 4px 4px rgb(67, 112,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1869, 0.3073, 0.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 112, 67) }
```

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

```
.background{ background-color: rgb(67, 112,  
67) }
```

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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