

Converting Colors

$Yxy(13.1788, 0.3060, 0.4434)$

Have a look what the booklet for
Yxy(13.1788, 0.3060, 0.4434)
contains.

Yxy(13.1518, 0.3061, 0.4447)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1518, 0.3061, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	427043
RGB	66, 112, 67
RGB Percent	26%, 44%, 26%
CMY	0.7413, 0.5608, 0.7373
CMYK	0.41, 0.00, 0.40, 0.56
HSL	121°, 26%, 35%
HSV	121°, 41%, 44%
XYZ	9.0528, 13.1518, 7.3700
YIQ	93.1160, -12.9710, -23.7470

Conversions

Conversions Part 2

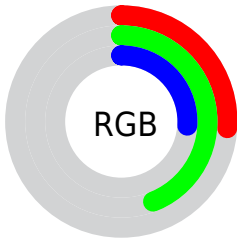
Format	Color
RYB	66, 111, 112
Decimal	4354115
CIELab	42.99, -25.93, 20.20
CIELCh	43, 32.871, 142.080
Yxy	13.1518, 0.3061, 0.4447
Android (android.graphics.Color)	4282544195 (0xFF427043)
YUV	93.1160, -12.8752, -23.7807
Hunter-Lab	36.2654, -18.9063, 13.3367

Details

The Yxy color **13.1518, 0.3061, 0.4447** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.4868, 0.3189, 0.2354**, and the grayscale version is **11.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5249, 0.3088, 0.4120**, and **3.8388, 0.2945, 0.5135** is the 20% darker color. If you saturate the color by 10%, you get **12.6815, 0.3044, 0.4781**, and if you desaturate by 10%, it is **13.7242, 0.3078, 0.4125**.

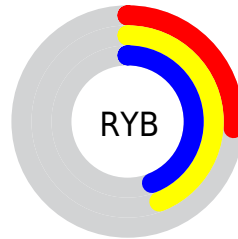
Distribution



Red (26%)

Green (44%)

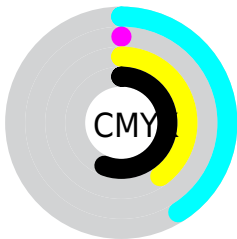
Blue (26%)



Red (26%)

Yellow (44%)

Blue (44%)

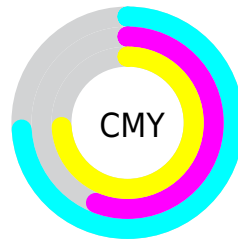


Cyan (41%)

Magenta (0%)

Yellow (40%)

Black (56%)



Cyan (74%)


Magenta (56%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1518, 0.3061, 0.4447 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 13.1518, 0.3061, 0.4447 by changing the saturation by 10% instead.


 13.1518, 0.3061,
0.4447


 13.1518, 0.3061,
0.4447


211.8883, 0.3121,
0.3715


 7.5332, 0.3025,
0.4714


 31.5762, 0.3094,
0.4129

 3.7977, 0.2952,
0.5135

 45.1508, 0.3102,
0.4027

 1.5611, 0.2997,
0.6375

 62.1462, 0.3108,
0.3947

 0.3311, 0.0000,
1.0000

 82.9467, 0.3112,
0.3882

 0.0000, 0.0000,
0.0000

 107.9367, 0.3115,
0.3830

137.5008, 0.3117,

0.3785

172.0231, 0.3119,
0.3748

■ 13.1518, 0.3061,
0.4447

■ 13.1518, 0.3061,
0.4447

■ 12.6815, 0.3044,
0.4781

■ 13.7242, 0.3078,
0.4125

■ 12.3059, 0.3028,
0.5111

■ 14.4026, 0.3095,
0.3825

■ 12.0191, 0.3015,
0.5413


■ 15.1925, 0.3111,
0.3555


■ 11.8136, 0.3005,
0.5667

■ 16.0986, 0.3126,
0.3314

■ 11.6811, 0.2999,
0.5852


■ 17.1253, 0.3139,
0.3104

 11.5950, 0.2993,
0.5975

 18.2769, 0.3150,
0.2921

 19.5573, 0.3161,
0.2763

 20.9703, 0.3170,
0.2627

 22.5197, 0.3178,
0.2509

Harmonies

Analogous

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



13.1518, 0.3733, 0.4560



13.1518, 0.3061, 0.4447



13.1518, 0.2442, 0.3876

Triad

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



13.1518, 0.3061, 0.4447



13.1518, 0.2044, 0.2270



13.1518, 0.4343, 0.3254

Complementary

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



13.1518, 0.3061, 0.4447



8.4868, 0.3189, 0.2354

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.



13.1518, 0.3784, 0.2774



13.1518, 0.3061, 0.4447



13.1518, 0.2443, 0.2230

Square

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



13.1518, 0.3061, 0.4447



13.1518, 0.1904, 0.2568



13.1518, 0.3067, 0.2411



13.1518, 0.4518, 0.3780

Rectangle

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



13.1518, 0.3061, 0.4447



13.1518, 0.2142, 0.3380



13.1518, 0.3067, 0.2411



13.1518, 0.4191, 0.3086

Sweetspot

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



13.1524, 0.3061, 0.4447



26.5062, 0.3109, 0.3586



15.3778, 0.3696, 0.4253



6.3356, 0.3108, 0.3610



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.



13.1524, 0.3061, 0.4447



22.3364, 0.3045, 0.4754



13.4813, 0.2817, 0.3845



3.7643, 0.3114, 0.3502



13.4027, 0.2994, 0.5977



66.7477, 0.2997, 0.5990

Inverse Universe

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



8.4868, 0.3189, 0.2354



12.9734, 0.3203, 0.2163



8.0476, 0.3620, 0.2801



3.4523, 0.3140, 0.3087



5.2718, 0.3263, 0.1571



26.2437, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 13.1518, 0.3061, 0.4447 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 13.1518, 0.3061, 0.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

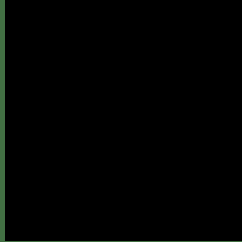
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1518, 0.3061, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 13.1518, 0.3061, 0.4447.



This preview shows how white text looks on a background with the Yxy color 13.1518, 0.3061, 0.4447.

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

13.1518, 0.3061, 0.4447

Protanopia

12.9812, 0.3799, 0.4116

Deuteranopia

13.0565, 0.3909, 0.3847



Tritanopia

13.0824, 0.2644, 0.3081

Trichromacy



Original Color

13.1518, 0.3061, 0.4447

Protanomaly

12.8530, 0.3505, 0.4253

Deuteranomaly

12.6991, 0.3566, 0.4046

Tritanomaly

12.9847, 0.2787, 0.3534

Monochromacy



Original Color

13.1518, 0.3061, 0.4447

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.5934, 0.3094, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1518, 0.3061, 0.4447 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(66, 112, 67)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 112, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 112, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.1518, 0.3061, 0.4447 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(66, 112, 67) }
```

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

```
.border{ border-color:rgb(66, 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(66, 112, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 112, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 112, 67);  
box-shadow:4px 4px 4px 4px rgb(66, 112,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1518, 0.3061, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 112, 67) }
```

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

```
.background{ background-color: rgb(66, 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](#).

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