

Converting Colors

$Y_{xy}(13.2371, 0.3454, 0.4126)$

Have a look what the booklet for
Yxy(13.2371, 0.3454, 0.4126)
contains.

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Color

Yxy(13.2371, 0.3454, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	606A46
RGB	96, 106, 70
RGB Percent	38%, 42%, 27%
CMY	0.6236, 0.5843, 0.7255
CMYK	0.09, 0.00, 0.34, 0.58
HSL	77°, 20%, 35%
HSV	77°, 34%, 42%
XYZ	11.0812, 13.2371, 7.7639
YIQ	98.9060, 5.5960, -13.3160

Conversions

Conversions Part 2

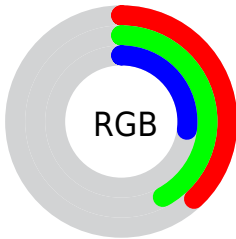
Format	Color
R_{YB}	70, 106, 80
Decimal	6318662
CIE Lab	43.12, -10.56, 18.99
CIE LCh	43, 21.732, 119.074
Yxy	13.2371, 0.3454, 0.4126
Android (android.graphics.Color)	4284508742 (0xFF606A46)
YUV	98.9060, -14.2507, -2.5486
Hunter-Lab	36.3828, -9.3039, 12.8158

Details

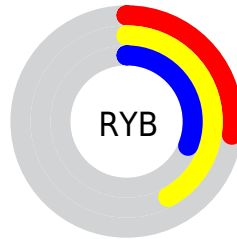
The Yxy color **13.2371, 0.3454, 0.4126** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1269, 0.2717, 0.2390**, and the grayscale version is **12.4871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6489, 0.3377, 0.3898**, and **3.8555, 0.3577, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **12.9583, 0.3541, 0.4382**, and if you desaturate by 10%, it is **13.5468, 0.3360, 0.3869**.

Distribution



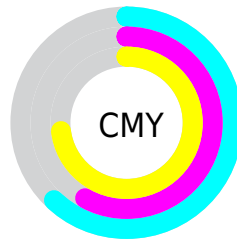
- Red (38%)
- Green (42%)
- Blue (27%)



- Red (27%)
- Yellow (42%)
- Blue (31%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2371, 0.3454, 0.4126 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 13.2371, 0.3454, 0.4126 by changing the saturation by 10% instead.

■ 13.2371, 0.3454,
0.4126

■ 13.2371, 0.3454,
0.4126

■ 212.4317, 0.3266,
0.3611

■ 7.5920, 0.3509,
0.4304

■ 31.7291, 0.3379,
0.3907

■ 3.8350, 0.3580,
0.4573

■ 45.3448, 0.3353,
0.3836

■ 1.5817, 0.3863,
0.5290

■ 62.3861, 0.3332,
0.3779

■ 0.3452, 0.1692,
0.8308

■ 83.2376, 0.3314,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 108.2834, 0.3299,
0.3694

137.9081, 0.3286,

0.3662

172.4961, 0.3275,
0.3635

■ 13.2371, 0.3454,
0.4126

■ 13.2371, 0.3454,
0.4126

■ 12.9583, 0.3541,
0.4382

■ 13.5468, 0.3360,
0.3869

■ 12.7072, 0.3617,
0.4630

■ 13.8868, 0.3263,
0.3619

■ 12.4830, 0.3678,
0.4858

■ 14.2588, 0.3165,
0.3381

■ 12.2842, 0.3719,
0.5059

■ 14.6639, 0.3070,
0.3157

■ 12.1090, 0.3738,
0.5222

■ 15.1031, 0.2979,
0.2949

■ 11.9545, 0.3736,
0.5347

■ 15.5774, 0.2892,
0.2759

■ 11.8661, 0.3732,
0.5419

■ 16.0877, 0.2811,
0.2585

■ 16.6349, 0.2736,
0.2428

■ 17.2199, 0.2666,
0.2285

Harmonies

Analogous

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



13.2371, 0.3841, 0.4024



13.2371, 0.3454, 0.4126



13.2371, 0.2997, 0.3960

Triad

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



13.2371, 0.3454, 0.4126



13.2371, 0.2287, 0.2752



13.2371, 0.3665, 0.3017

Complementary

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



13.2371, 0.3454, 0.4126



7.1269, 0.2717, 0.2390

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.



13.2371, 0.3208, 0.2731



13.2371, 0.3454, 0.4126



13.2371, 0.2433, 0.2570

Square

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



13.2371, 0.3454, 0.4126



13.2371, 0.2342, 0.3109



13.2371, 0.2759, 0.2570



13.2371, 0.3979, 0.3374

Rectangle

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



13.2371, 0.3454, 0.4126



13.2371, 0.2715, 0.3713



13.2371, 0.2759, 0.2570



13.2371, 0.3521, 0.2910

Sweetspot

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



13.2377, 0.3454, 0.4126



24.6016, 0.3227, 0.3530



9.1854, 0.3786, 0.3517



5.7477, 0.3236, 0.3554



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



13.2377, 0.3454, 0.4126



22.8240, 0.3526, 0.4335



12.3888, 0.3197, 0.4198



3.5433, 0.3214, 0.3498



14.7060, 0.3727, 0.5423



74.4829, 0.3700, 0.5444

Inverse Universe

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



7.1269, 0.2717, 0.2390



10.2873, 0.2594, 0.2143



7.9950, 0.3016, 0.2464



3.0622, 0.3036, 0.3078



1.6096, 0.1710, 0.0716



7.8169, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 13.2371, 0.3454, 0.4126 looks on a white background.

Color Contrast Check

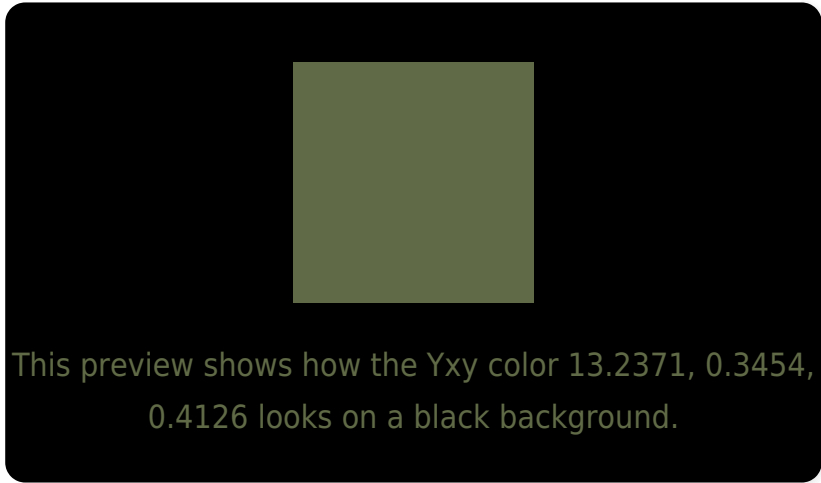
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

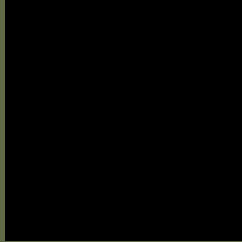
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

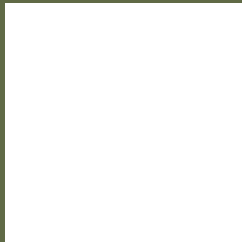
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.2371, 0.3454, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 13.2371, 0.3454, 0.4126.



This preview shows how white text looks on a background with the Yxy color 13.2371, 0.3454, 0.4126.

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

13.2371, 0.3454, 0.4126

Protanopia

13.2351, 0.3723, 0.4030

Deuteranopia

13.0822, 0.3879, 0.3807



Tritanopia

13.1782, 0.3022, 0.3116

Trichromacy



Original Color

13.2371, 0.3454, 0.4126

Protanomaly

13.1334, 0.3623, 0.4050

Deuteranomaly

13.0140, 0.3727, 0.3919

Tritanomaly

13.1794, 0.3176, 0.3471

Monochromacy



Original Color

13.2371, 0.3454, 0.4126

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.8040, 0.3258, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2371, 0.3454, 0.4126 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(96, 106, 70) looks like.

```
.text, #text, p{  
    color:rgb(96, 106, 70)  
}
```

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(96, 106, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 106, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.2371, 0.3454, 0.4126 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(96, 106, 70) }
```

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

```
.border{ border-color:rgb(96, 106, 70) }
```

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

Here you see how a box with a 4 pixel rgb(96, 106, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 106, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 106, 70);  
box-shadow:4px 4px 4px 4px rgb(96, 106,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2371, 0.3454, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 106, 70) }
```

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

```
.background{ background-color: rgb(96, 106,  
70) }
```

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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