

Converting Colors

$Y_{xy}(13.1701, 0.3323, 0.4099)$

Have a look what the booklet for
Yxy(13.1701, 0.3323, 0.4099)
contains.

Yxy(13.1701, 0.3323, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1701, 0.3323, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	5A6B49
RGB	90, 107, 73
RGB Percent	35%, 42%, 29%
CMY	0.6471, 0.5804, 0.7137
CMYK	0.16, 0.00, 0.32, 0.58
HSL	90°, 19%, 35%
HSV	90°, 32%, 42%
XYZ	10.6768, 13.1701, 8.2831
YIQ	98.0410, 0.7820, -14.1780

Conversions

Conversions Part 2

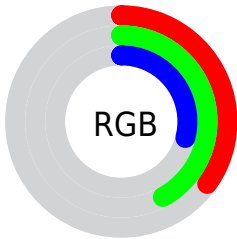
Format	Color
R_{YB}	73, 107, 90
Decimal	5925705
CIE _{Lab}	43.02, -13.14, 17.01
CIE _{LCh}	43, 21.494, 127.677
Yxy	13.1701, 0.3323, 0.4099
Android (android.graphics.Color)	4284115785 (0xFF5A6B49)
YUV	98.0410, -12.3452, -7.0520
Hunter-Lab	36.2906, -10.9934, 11.8709

Details

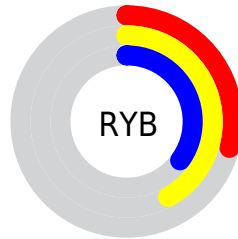
The Yxy color **13.1701, 0.3323, 0.4099** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0011, 0.2872, 0.2483**, and the grayscale version is **12.2563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5216, 0.3286, 0.3876**, and **3.8559, 0.3389, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **12.7820, 0.3376, 0.4380**, and if you desaturate by 10%, it is **13.6031, 0.3264, 0.3827**.

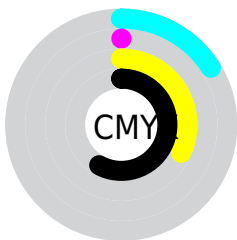
Distribution



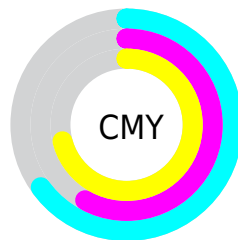
- Red (35%)
- Green (42%)
- Blue (29%)



- Red (29%)
- Yellow (42%)
- Blue (35%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (58%)





- Cyan (65%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1701, 0.3323, 0.4099 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 13.1701, 0.3323, 0.4099 by changing the saturation by 10% instead.


 13.1701, 0.3323,
0.4099


 13.1701, 0.3323,
0.4099


212.0050, 0.3214,
0.3597


 7.5458, 0.3352,
0.4276


 31.6090, 0.3281,
0.3884


 3.8057, 0.3387,
0.4548

 45.1924, 0.3266,
0.3815


 1.5655, 0.3541,
0.5198

 62.1977, 0.3253,
0.3759

 0.3342, 0.0000,
1.0000

 83.0091, 0.3243,
0.3715

 0.0000, 0.0000,
0.0000

 108.0112, 0.3234,
0.3678

137.5882, 0.3226,

0.3647

172.1247, 0.3219,
0.3620

■ 13.1701, 0.3323,
0.4099

■ 13.1701, 0.3323,
0.4099

■ 12.7820, 0.3376,
0.4380

■ 13.6031, 0.3264,
0.3827

■ 12.4354, 0.3418,
0.4662

■ 14.0809, 0.3202,
0.3569

■ 12.1291, 0.3447,
0.4933


■ 14.6054, 0.3138,
0.3330


■ 11.8612, 0.3459,
0.5181


■ 15.1781, 0.3076,
0.3111


■ 11.6295, 0.3452,
0.5393

■ 15.8003, 0.3015,
0.2912


 11.4316, 0.3426,
0.5559

 16.4733, 0.2957,
0.2732

 11.2862, 0.3400,
0.5683

 17.1983, 0.2903,
0.2571

 17.9764, 0.2852,
0.2427

 18.8089, 0.2804,
0.2297

Harmonies

Analogous

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



13.1701, 0.3739, 0.4070



13.1701, 0.3323, 0.4099



13.1701, 0.2873, 0.3858

Triad

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



13.1701, 0.3323, 0.4099



13.1701, 0.2316, 0.2687



13.1701, 0.3770, 0.3116

Complementary

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



13.1701, 0.3323, 0.4099



8.0011, 0.2872, 0.2483

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.



13.1701, 0.3343, 0.2806



13.1701, 0.3323, 0.4099



13.1701, 0.2515, 0.2558

Square

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



13.1701, 0.3323, 0.4099



13.1701, 0.2312, 0.2994



13.1701, 0.2881, 0.2606



13.1701, 0.4017, 0.3480

Rectangle

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



13.1701, 0.3323, 0.4099



13.1701, 0.2614, 0.3583



13.1701, 0.2881, 0.2606



13.1701, 0.3641, 0.3004

Sweetspot

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



13.1707, 0.3323, 0.4099



25.3473, 0.3192, 0.3533



10.9199, 0.3680, 0.3679



6.1119, 0.3199, 0.3559



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.1707, 0.3323, 0.4099



23.0672, 0.3362, 0.4304



12.4136, 0.3086, 0.4160



3.5121, 0.3184, 0.3500



13.7115, 0.3393, 0.5688



69.3492, 0.3354, 0.5719

Inverse Universe

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



8.0011, 0.2872, 0.2483



12.2610, 0.2797, 0.2280



8.9531, 0.3162, 0.2550



3.0925, 0.3067, 0.3080



2.2109, 0.2062, 0.0910



10.7487, 0.2006, 0.0879

Previews

White Background



This preview shows how the Yxy color 13.1701, 0.3323, 0.4099 looks on a white background.

Color Contrast Check

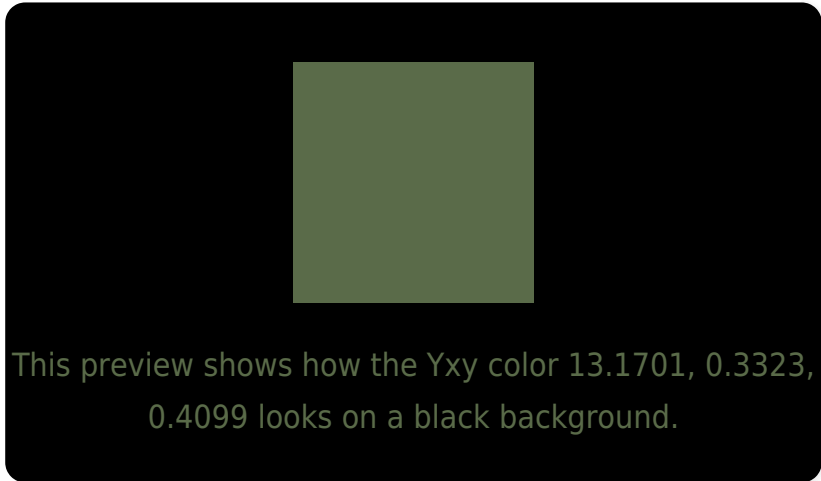
Large Text (above 18pt) WCAG AA ✓ Pass

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

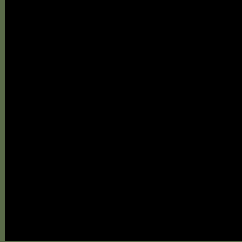
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

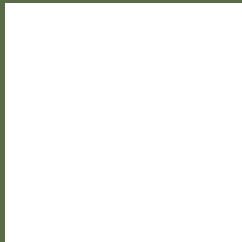
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1701, 0.3323, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 13.1701, 0.3323, 0.4099.



This preview shows how white text looks on a background with the Yxy color 13.1701, 0.3323, 0.4099.

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

13.1701, 0.3323, 0.4099

Protanopia

13.0773, 0.3688, 0.3946

Deuteranopia

13.0505, 0.3817, 0.3748



Tritanopia

13.0614, 0.2927, 0.3112

Trichromacy



Original Color

13.1701, 0.3323, 0.4099

Protanomaly

13.0519, 0.3551, 0.3991

Deuteranomaly

13.0530, 0.3629, 0.3884

Tritanomaly

13.0909, 0.3064, 0.3451

Monochromacy



Original Color

13.1701, 0.3323, 0.4099

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4615, 0.3202, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1701, 0.3323, 0.4099 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, 107, 73)` looks like.

```
.text, #text, p{  
    color:rgb(90, 107, 73)  
}
```

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, 107, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 107, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.1701, 0.3323, 0.4099 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, 107, 73) }
```

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

```
.border{ border-color:rgb(90, 107, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 107, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 107, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 107, 73);  
box-shadow:4px 4px 4px 4px rgb(90, 107,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1701, 0.3323, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 107, 73) }
```

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

```
.background{ background-color: rgb(90, 107,  
73) }
```

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