

Converting Colors

$Y_{xy}(12.3508, 0.2999, 0.3923)$

Have a look what the booklet for
Yxy(12.3508, 0.2999, 0.3923)
contains.

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Color

Yxy(12.3580, 0.3005, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	4A6A51
RGB	74, 106, 81
RGB Percent	29%, 42%, 32%
CMY	0.7098, 0.5843, 0.6823
CMYK	0.30, 0.00, 0.24, 0.58
HSL	133°, 18%, 35%
HSV	133°, 30%, 42%
XYZ	9.4638, 12.3580, 9.6716
YIQ	93.5820, -11.0470, -14.5590

Conversions

Conversions Part 2

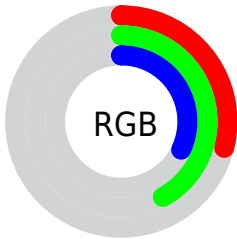
Format	Color
RYB	74, 100, 106
Decimal	4876881
CIELab	41.78, -17.30, 10.38
CIELCh	42, 20.180, 149.034
Yxy	12.3580, 0.3005, 0.3924
Android (android.graphics.Color)	4283066961 (0xFF4A6A51)
YUV	93.5820, -6.2029, -17.1734
Hunter-Lab	35.1539, -13.4656, 8.2958

Details

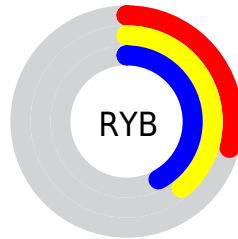
The Yxy color **12.3580, 0.3005, 0.3924** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8638, 0.3279, 0.2730**, and the grayscale version is **11.1072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0107, 0.3048, 0.3750**, and **3.4004, 0.2919, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **11.8558, 0.2968, 0.4178**, and if you desaturate by 10%, it is **12.9473, 0.3045, 0.3691**.

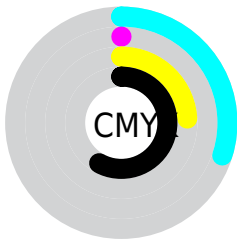
Distribution



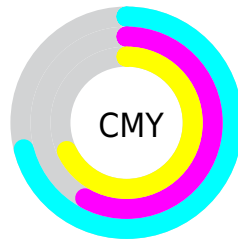
- Red (29%)
- Green (42%)
- Blue (32%)



- Red (29%)
- Yellow (39%)
- Blue (42%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (58%)





- Cyan (71%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3580, 0.3005, 0.3924 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 12.3580, 0.3005, 0.3924 by changing the saturation by 10% instead.


 12.3580, 0.3005,
0.3924


 12.3580, 0.3005,
0.3924


206.7611, 0.3085,
0.3526


 6.9880, 0.2973,
0.4070


 30.1455, 0.3041,
0.3751


 3.4546, 0.2918,
0.4301

 43.3317, 0.3053,
0.3696

 1.3734, 0.2833,
0.4761

 59.8922, 0.3061,
0.3652

 0.1970, 0.0000,
1.0000

 80.2112, 0.3068,
0.3617

 0.0000, 0.0000,
0.0000

 104.6732, 0.3074,
0.3588

133.6626, 0.3078,

0.3564

167.5638, 0.3082,
0.3544

■ 12.3580, 0.3005,
0.3924

■ 12.3580, 0.3005,
0.3924

■ 11.8558, 0.2968,
0.4178

■ 12.9473, 0.3045,
0.3691

■ 11.4351, 0.2937,
0.4448

■ 13.6260, 0.3086,
0.3481

■ 11.0919, 0.2912,
0.4726


■ 14.3981, 0.3126,
0.3293


■ 10.8214, 0.2898,
0.5003


■ 15.2672, 0.3166,
0.3128

■ 10.6182, 0.2895,
0.5264

■ 16.2363, 0.3204,
0.2982

 10.4760, 0.2904,
0.5496

 17.3086, 0.3241,
0.2855

 10.3708, 0.2914,
0.5691

 18.4870, 0.3275,
0.2744

 19.7744, 0.3307,
0.2647

 21.1734, 0.3336,
0.2563

Harmonies

Analogous

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



12.3580, 0.3440, 0.4083



12.3580, 0.3005, 0.3924



12.3580, 0.2620, 0.3552

Triad

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



12.3580, 0.3005, 0.3924



12.3580, 0.2465, 0.2604



12.3580, 0.3936, 0.3372

Complementary

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



12.3580, 0.3005, 0.3924



8.8638, 0.3279, 0.2730

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.



12.3580, 0.3638, 0.3030



12.3580, 0.3005, 0.3924



12.3580, 0.2777, 0.2602

Square

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



12.3580, 0.3005, 0.3924



12.3580, 0.2326, 0.2780



12.3580, 0.3204, 0.2756



12.3580, 0.3996, 0.3719

Rectangle

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



12.3580, 0.3005, 0.3924



12.3580, 0.2440, 0.3260



12.3580, 0.3204, 0.2756



12.3580, 0.3860, 0.3254

Sweetspot

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



12.3585, 0.3005, 0.3924



24.0331, 0.3089, 0.3462



13.4593, 0.3449, 0.4021



5.5968, 0.3085, 0.3484



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.



12.3585, 0.3005, 0.3924



21.0722, 0.2980, 0.4095



12.6263, 0.2818, 0.3512



3.4546, 0.3091, 0.3457



12.8656, 0.2919, 0.5708



65.4458, 0.2942, 0.5791

Inverse Universe

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



8.8638, 0.3279, 0.2730



13.9069, 0.3322, 0.2602



8.5885, 0.3572, 0.3081



3.1531, 0.3166, 0.3129



4.5693, 0.3824, 0.1880



23.1501, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 12.3580, 0.3005, 0.3924 looks on a white background.

Color Contrast Check

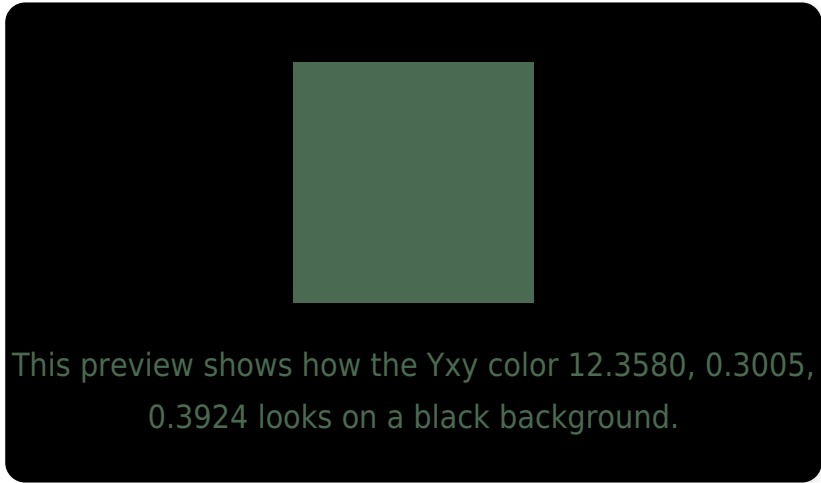
Large Text (above 18pt) WCAG AA ✓ Pass

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

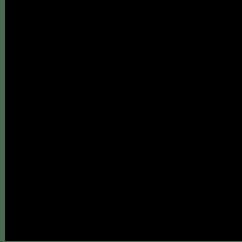
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3580, 0.3005, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 12.3580, 0.3005, 0.3924.



This preview shows how white text looks on a background with the Yxy color 12.3580, 0.3005, 0.3924.

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

12.3580, 0.3005, 0.3924

Protanopia

12.2744, 0.3539, 0.3766

Deuteranopia

12.3197, 0.3593, 0.3552



Tritanopia

12.3340, 0.2734, 0.3102

Trichromacy



Original Color

12.3580, 0.3005, 0.3924

Protanomaly

12.2371, 0.3338, 0.3837

Deuteranomaly

12.1855, 0.3366, 0.3685

Tritanomaly

12.2210, 0.2839, 0.3386

Monochromacy



Original Color

12.3580, 0.3005, 0.3924

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4829, 0.3087, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3580, 0.3005, 0.3924 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(74, 106, 81)` looks like.

```
.text, #text, p{  
    color:rgb(74, 106, 81)  
}
```

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(74, 106, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 106, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.3580, 0.3005, 0.3924 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(74, 106, 81) }
```

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

```
.border{ border-color:rgb(74, 106, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 106, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 106, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 106, 81);  
box-shadow:4px 4px 4px 4px rgb(74, 106,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3580, 0.3005, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 106, 81) }
```

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

```
.background{ background-color: rgb(74, 106,  
81) }
```

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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