

Converting Colors

$Y_{xy}(12.8985, 0.3585, 0.5064)$

Have a look what the booklet for
Yxy(12.8985, 0.3585, 0.5064)
contains.

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Color

Yxy(12.9671, 0.3580, 0.5068)

Conversions

Conversions Part 1

Format	Color
Hex	506E21
RGB	80, 110, 33
RGB Percent	31%, 43%, 13%
CMY	0.6862, 0.5686, 0.8706
CMYK	0.27, 0.00, 0.70, 0.57
HSL	83°, 54%, 28%
HSV	83°, 70%, 43%
XYZ	9.1599, 12.9671, 3.4593
YIQ	92.2520, 6.8370, -30.3070

Conversions

Conversions Part 2

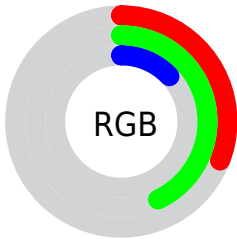
Format	Color
R_{YB}	33, 110, 63
Decimal	5271073
CIE _{Lab}	42.71, -23.84, 37.89
CIE _{LCh}	43, 44.762, 122.178
Yxy	12.9671, 0.3580, 0.5068
Android (android.graphics.Color)	4283461153 (0xFF506E21)
YUV	92.2520, -29.2112, -10.7450
Hunter-Lab	36.0099, -17.6120, 19.5113

Details

The Yxy color **12.9671, 0.3580, 0.5068** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.2702, 0.2274, 0.1375**, and the grayscale version is **10.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3554, 0.3519, 0.4605**, and **3.7523, 0.3474, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **12.7352, 0.3590, 0.5268**, and if you desaturate by 10%, it is **13.2322, 0.3549, 0.4834**.

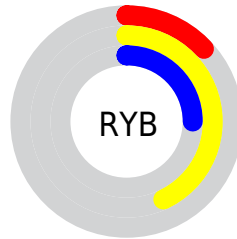
Distribution



Red (31%)

Green (43%)

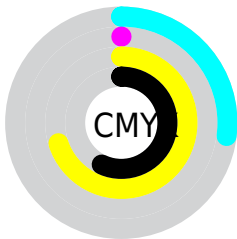
Blue (13%)



Red (13%)

Yellow (43%)

Blue (25%)

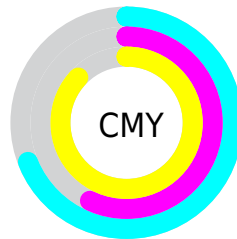


Cyan (27%)

Magenta (0%)

Yellow (70%)

Black (57%)



Cyan (69%)


Magenta (57%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9671, 0.3580, 0.5068 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 12.9671, 0.3580, 0.5068 by changing the saturation by 10% instead.


 12.9671, 0.3580,
0.5068


 12.9671, 0.3580,
0.5068


210.7067, 0.3363,
0.3965


 7.4059, 0.3594,
0.5428


 31.2447, 0.3517,
0.4605


 3.7172, 0.3689,
0.6163


 44.7298, 0.3487,
0.4450


 1.5167, 0.3326,
0.6674

 61.6251, 0.3459,
0.4327

 0.3004, 0.0000,
1.0000


 82.3148, 0.3435,
0.4227


 0.0000, 0.0000,
0.0000


 107.1835, 0.3414,
0.4144

 136.6154, 0.3395,

0.4075


 170.9950, 0.3378,
0.4016


 12.9671, 0.3580,
0.5068


 12.9671, 0.3580,
0.5068


 12.7352, 0.3590,
0.5268


 13.2322, 0.3549,
0.4834


 12.5325, 0.3579,
0.5425


 13.5308, 0.3500,
0.4578

 12.3508, 0.3556,
0.5558

 13.8653, 0.3438,
0.4309

 12.3507, 0.3556,
0.5558

 14.2372, 0.3366,
0.4040

 14.6481, 0.3288,
0.3776

■ 15.0995, 0.3207,
0.3525

■ 15.5926, 0.3127,
0.3290

■ 16.1287, 0.3049,
0.3073

■ 16.7091, 0.2974,
0.2874

Harmonies

Analogous

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



12.9671, 0.4392, 0.4715



12.9671, 0.3580, 0.5068



12.9671, 0.2698, 0.4729

Triad

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



12.9671, 0.3580, 0.5068



12.9671, 0.1573, 0.2144



12.9671, 0.4322, 0.2790

Complementary

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



12.9671, 0.3580, 0.5068



3.2702, 0.2274, 0.1375

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.



12.9671, 0.3355, 0.2282



12.9671, 0.3580, 0.5068



12.9671, 0.1853, 0.1911

Square

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



12.9671, 0.3580, 0.5068



12.9671, 0.1606, 0.2749



12.9671, 0.2455, 0.1972



12.9671, 0.4928, 0.3412

Rectangle

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



12.9671, 0.3580, 0.5068



12.9671, 0.2188, 0.4103



12.9671, 0.2455, 0.1972



12.9671, 0.4017, 0.2604

Sweetspot

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



12.9677, 0.3580, 0.5068



25.6080, 0.3300, 0.3817



6.9268, 0.4774, 0.3911



5.9248, 0.3316, 0.3869



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.



12.9677, 0.3580, 0.5068



22.1379, 0.3586, 0.5371



11.7534, 0.3106, 0.5365



3.8545, 0.3200, 0.3501



14.8204, 0.3551, 0.5563



73.3182, 0.3517, 0.5589

Inverse Universe

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



3.2702, 0.2274, 0.1375



3.8696, 0.2045, 0.1022



4.9815, 0.3013, 0.1720



3.3579, 0.3050, 0.3077



1.9489, 0.1864, 0.0801



9.2411, 0.1810, 0.0771

Previews

White Background



This preview shows how the Yxy color 12.9671, 0.3580, 0.5068 looks on a white background.

Color Contrast Check

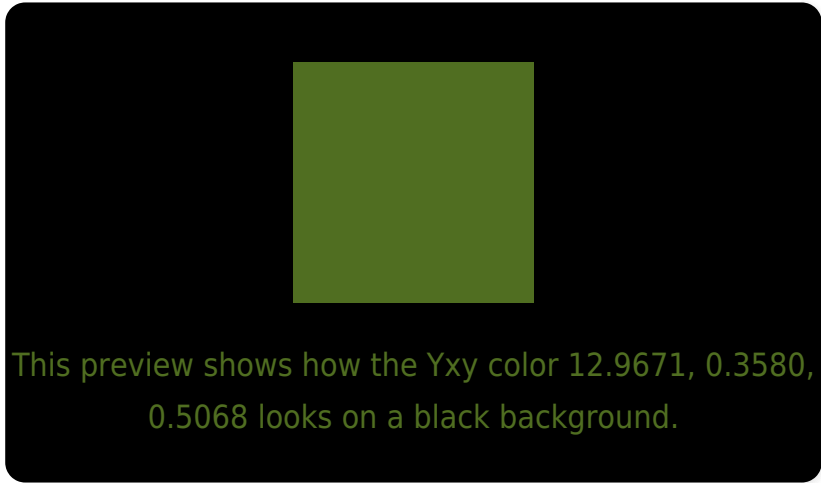
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9671, 0.3580, 0.5068

Background



This preview shows how black text looks on a background with the Yxy color 12.9671, 0.3580, 0.5068.



This preview shows how white text looks on a background with the Yxy color 12.9671, 0.3580, 0.5068.

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

12.9671, 0.3580, 0.5068

Protanopia

12.9170, 0.4213, 0.4646

Deuteranopia

12.8657, 0.4405, 0.4363



Tritanopia

13.0219, 0.2850, 0.3109

Trichromacy



Original Color

12.9671, 0.3580, 0.5068

Protanomaly

12.7716, 0.3973, 0.4797

Deuteranomaly

12.6859, 0.4103, 0.4615

Tritanomaly

12.9110, 0.3142, 0.3844

Monochromacy



Original Color

12.9671, 0.3580, 0.5068

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4533, 0.3348, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9671, 0.3580, 0.5068 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(80, 110, 33)` looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 33)  
}
```

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(80, 110, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 33) }
```

Border

The CSS property to change the border of an element to Yxy 12.9671, 0.3580, 0.5068 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(80, 110, 33) }
```

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

```
.border{ border-color:rgb(80, 110, 33) }
```

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

Here you see how a box with a 4 pixel rgb(80, 110, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 33);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9671, 0.3580, 0.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 33) }
```

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

```
.background{ background-color: rgb(80, 110,  
33) }
```

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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