

Converting Colors

$Y_{xy}(10.5487, 0.3755, 0.5280)$

Have a look what the booklet for
Yxy(10.5487, 0.3755, 0.5280)
contains.

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Color

Yxy(10.4821, 0.3768, 0.5269)

Conversions

Conversions Part 1

Format	Color
Hex	4C630A
RGB	76, 99, 10
RGB Percent	30%, 39%, 4%
CMY	0.7020, 0.6117, 0.9607
CMYK	0.23, 0.00, 0.90, 0.61
HSL	76°, 82%, 21%
HSV	76°, 90%, 39%
XYZ	7.4960, 10.4821, 1.9158
YIQ	81.9770, 14.8610, -32.5550

Conversions

Conversions Part 2

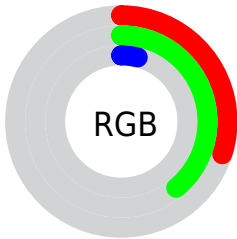
Format	Color
R_{YB}	10, 99, 33
Decimal	5006090
CIE Lab	38.69, -21.33, 42.28
CIE LCh	39, 47.357, 116.769
Yxy	10.4821, 0.3768, 0.5269
Android (android.graphics.Color)	4283196170 (0xFF4C630A)
YUV	81.9770, -35.4847, -5.2418
Hunter-Lab	32.3761, -15.3301, 19.1549

Details

The Yxy color **10.4821, 0.3768, 0.5269** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.4426, 0.1828, 0.0882**, and the grayscale version is **8.5032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7608, 0.3681, 0.4758**, and **2.6890, 0.3500, 0.5603** is the 20% darker color. If you saturate the color by 10%, you get **10.3580, 0.3768, 0.5389**, and if you desaturate by 10%, it is **10.6178, 0.3758, 0.5132**.

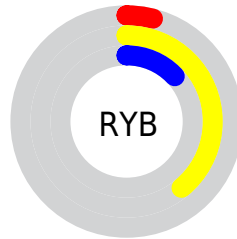
Distribution



Red (30%)

Green (39%)

Blue (4%)



Red (4%)

Yellow (39%)

Blue (13%)

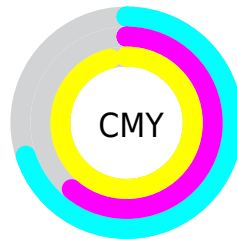


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (61%)



Cyan (70%)


Magenta (61%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4821, 0.3768, 0.5269 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 10.4821, 0.3768, 0.5269 by changing the saturation by 10% instead.


 10.4821, 0.3768,
0.5269


 10.4821, 0.3768,
0.5269


194.0791, 0.3453,
0.4032


 5.7198, 0.3806,
0.5694

 26.6984, 0.3678,
0.4753


 2.6754, 0.3746,
0.6254


 38.9212, 0.3633,
0.4579

 0.9647, 0.2900,
0.7100

 54.3995, 0.3593,
0.4440


 0.0000, 0.0000,
0.0000


 73.5179, 0.3557,
0.4327


 96.6606, 0.3526,
0.4234

 124.2122, 0.3498,


0.4156


 156.5569, 0.3474,
0.4089

 10.4821, 0.3768,
0.5269

 10.4821, 0.3768,
0.5269


 10.3580, 0.3768,
0.5389


 10.6178, 0.3758,
0.5132

 10.3566, 0.3768,
0.5390

 10.7717, 0.3725,
0.4955

 10.9457, 0.3671,
0.4746

 11.1413, 0.3601,
0.4513

 11.3596, 0.3516,
0.4265

■ 11.6020, 0.3423,
0.4012

■ 11.8693, 0.3325,
0.3761

■ 12.1627, 0.3225,
0.3518

■ 12.4830, 0.3126,
0.3287

Harmonies

Analogous

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



10.4821, 0.4642, 0.4721



10.4821, 0.3768, 0.5269



10.4821, 0.2790, 0.5097

Triad

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



10.4821, 0.3768, 0.5269



10.4821, 0.1399, 0.2089



10.4821, 0.4296, 0.2612

Complementary

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



10.4821, 0.3768, 0.5269



1.4426, 0.1828, 0.0882

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.



10.4821, 0.3174, 0.2095



10.4821, 0.3768, 0.5269



10.4821, 0.1639, 0.1785

Square

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



10.4821, 0.3768, 0.5269



10.4821, 0.1487, 0.2831



10.4821, 0.2224, 0.1805



10.4821, 0.5089, 0.3264

Rectangle

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



10.4821, 0.3768, 0.5269



10.4821, 0.2199, 0.4445



10.4821, 0.2224, 0.1805



10.4821, 0.3930, 0.2419

Sweetspot

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



10.4826, 0.3768, 0.5269



19.9930, 0.3403, 0.3959



3.7225, 0.5639, 0.3667



4.7294, 0.3424, 0.4014



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.4826, 0.3768, 0.5269



17.7148, 0.3756, 0.5400



9.2583, 0.3164, 0.5720



2.9388, 0.3215, 0.3494



13.4791, 0.3762, 0.5395



71.5701, 0.3735, 0.5416

Inverse Universe

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



1.4426, 0.1828, 0.0882



1.8686, 0.1680, 0.0699



2.6863, 0.2684, 0.1335



2.5439, 0.3035, 0.3082



1.4360, 0.1691, 0.0705



7.2985, 0.1642, 0.0678

Previews

White Background



This preview shows how the Yxy color 10.4821, 0.3768, 0.5269 looks on a white background.

Color Contrast Check

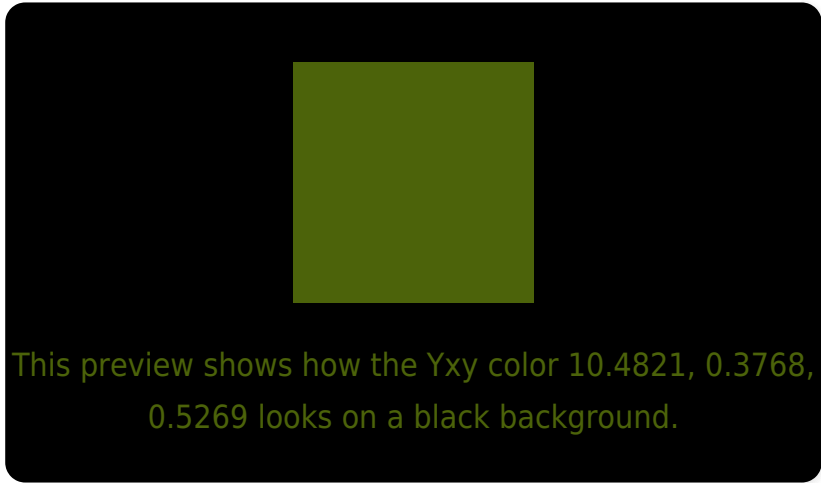
Large Text (above 18pt) WCAG AA ✓ Pass

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

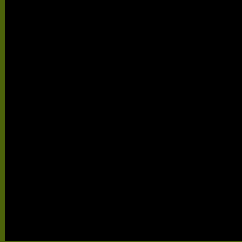
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4821, 0.3768, 0.5269

Background



This preview shows how black text looks on a background with the Yxy color 10.4821, 0.3768, 0.5269.



This preview shows how white text looks on a background with the Yxy color 10.4821, 0.3768, 0.5269.

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

10.4821, 0.3768, 0.5269

Protanopia

10.3811, 0.4367, 0.4836

Deuteranopia

10.3509, 0.4580, 0.4504



Tritanopia

10.4864, 0.2922, 0.3119

Trichromacy



Original Color

10.4821, 0.3768, 0.5269

Protanomaly

10.3501, 0.4138, 0.5003

Deuteranomaly

10.2863, 0.4284, 0.4789

Tritanomaly

10.3835, 0.3324, 0.4020

Monochromacy



Original Color

10.4821, 0.3768, 0.5269

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9704, 0.3484, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4821, 0.3768, 0.5269 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(76, 99, 10)` looks like.

```
.text, #text, p{  
    color:rgb(76, 99, 10)  
}
```

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(76, 99, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 99, 10) }
```

Border

The CSS property to change the border of an element to Yxy 10.4821, 0.3768, 0.5269 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(76, 99, 10) }
```

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

```
.border{ border-color:rgb(76, 99, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 99, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 99, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 99, 10);  
box-shadow:4px 4px 4px 4px rgb(76, 99, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4821, 0.3768, 0.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 99, 10) }
```

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

```
.background{ background-color: rgb(76, 99,  
10) }
```

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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