

Converting Colors

$Y_{xy}(10.9891, 0.3753, 0.5402)$

Have a look what the booklet for
Yxy(10.9891, 0.3753, 0.5402)
contains.

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Color

Yxy(10.9986, 0.3757, 0.5399)

Conversions

Conversions Part 1

Format	Color
Hex	4B6600
RGB	75, 102, 0
RGB Percent	29%, 40%, 0%
CMY	0.7058, 0.6000, 1.0000
CMYK	0.26, 0.00, 1.00, 0.60
HSL	76°, 100%, 20%
HSV	76°, 100%, 40%
XYZ	7.6536, 10.9986, 1.7194
YIQ	82.2990, 16.6500, -37.4460

Conversions

Conversions Part 2

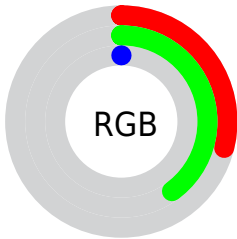
Format	Color
RYB	0, 102, 27
Decimal	4941312
CIELab	39.58, -23.65, 45.65
CIElCh	40, 51.410, 117.386
Yxy	10.9986, 0.3757, 0.5399
Android (android.graphics.Color)	4283131392 (0xFF4B6600)
YUV	82.2990, -40.5734, -6.4012
Hunter-Lab	33.1641, -16.8432, 20.1411

Details

The Yxy color **10.9986, 0.3757, 0.5399** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.1922, 0.1707, 0.0714**, and the grayscale version is **8.5824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6000, 0.3685, 0.4865**, and **2.9266, 0.3389, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **10.9991, 0.3757, 0.5399**, and if you desaturate by 10%, it is **11.1326, 0.3759, 0.5281**.

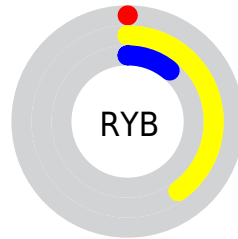
Distribution



Red (29%)

Green (40%)

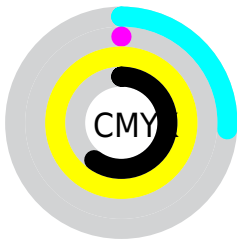
Blue (0%)



Red (0%)

Yellow (40%)

Blue (11%)

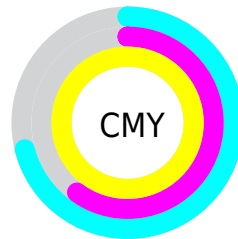


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (71%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9986, 0.3757, 0.5399 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 10.9986, 0.3757, 0.5399 by changing the saturation by 10% instead.


 10.9986, 0.3757,
0.5399


 10.9986, 0.3757,
0.5399


 197.6579, 0.3467,
0.4093

 6.0659, 0.3786,
0.5853


 27.6576, 0.3686,
0.4862

 2.8852, 0.3651,
0.6349


 40.1526, 0.3645,
0.4678

 1.0721, 0.2865,
0.7135

 55.9373, 0.3606,
0.4530

 0.0000, 0.0000,
0.0000


 75.3959, 0.3571,
0.4410


 98.9129, 0.3540,
0.4310


 126.8726, 0.3513,


0.4226


 159.6595, 0.3488,
0.4154

 10.9986, 0.3757,
0.5399


 10.9986, 0.3757,
0.5399


 10.9991, 0.3757,
0.5399

 11.1326, 0.3759,
0.5281

 11.2781, 0.3751,
0.5144

 11.4435, 0.3720,
0.4967

 11.6308, 0.3668,
0.4757

 11.8413, 0.3598,
0.4522

■ 12.0765, 0.3515,
0.4273

■ 12.3375, 0.3423,
0.4019

■ 12.6256, 0.3325,
0.3766

■ 12.9417, 0.3226,
0.3522

Harmonies

Analogous

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



10.9986, 0.4688, 0.4791



10.9986, 0.3757, 0.5399



10.9986, 0.2731, 0.5226

Triad

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



10.9986, 0.3757, 0.5399



10.9986, 0.1317, 0.2004



10.9986, 0.4395, 0.2582

Complementary

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



10.9986, 0.3757, 0.5399



1.1922, 0.1707, 0.0714

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.



10.9986, 0.3195, 0.2042



10.9986, 0.3757, 0.5399



10.9986, 0.1573, 0.1704

Square

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



10.9986, 0.3757, 0.5399



10.9986, 0.1395, 0.2767



10.9986, 0.2187, 0.1735



10.9986, 0.5226, 0.3258

Rectangle

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



10.9986, 0.3757, 0.5399



10.9986, 0.2117, 0.4507



10.9986, 0.2187, 0.1735



10.9986, 0.4004, 0.2381

Sweetspot

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



10.9991, 0.3757, 0.5399



21.5958, 0.3431, 0.4040



3.5416, 0.5984, 0.3630



5.0620, 0.3459, 0.4115



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.9991, 0.3757, 0.5399



19.2354, 0.3745, 0.5409



9.7159, 0.3133, 0.5894



3.2334, 0.3215, 0.3496



14.1072, 0.3751, 0.5404



73.1357, 0.3725, 0.5424

Inverse Universe

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



1.1922, 0.1707, 0.0714



2.0413, 0.1683, 0.0701



2.5164, 0.2617, 0.1215



2.7955, 0.3035, 0.3080



1.5136, 0.1696, 0.0708



7.5193, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 10.9986, 0.3757, 0.5399 looks on a white background.

Color Contrast Check

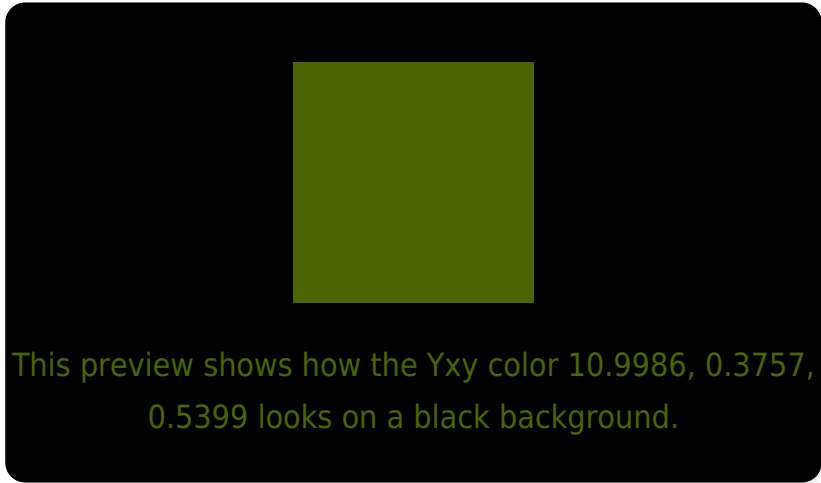
Large Text (above 18pt) WCAG AA ✓ Pass

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

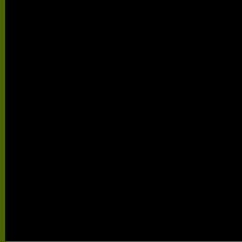
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9986, 0.3757, 0.5399

Background



This preview shows how black text looks on a background with the Yxy color 10.9986, 0.3757, 0.5399.



This preview shows how white text looks on a background with the Yxy color 10.9986, 0.3757, 0.5399.

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

10.9986, 0.3757, 0.5399

Deuteranopia

10.8084, 0.4583, 0.4527

Tritanopia

11.0285, 0.2871, 0.3121

Trichromacy



Original Color

10.9986, 0.3757, 0.5399

Deuteranomaly

10.6800, 0.4290, 0.4843

Tritanomaly

10.8663, 0.3324, 0.4144

Monochromacy



Original Color

10.9986, 0.3757, 0.5399

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.0550, 0.3519, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9986, 0.3757, 0.5399 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(75, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 102, 0)  
}
```

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(75, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.9986, 0.3757, 0.5399 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(75, 102, 0) }
```

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

```
.border{ border-color:rgb(75, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(75, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 10.9986, 0.3757, 0.5399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 102, 0) }
```

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

```
.background{ background-color: rgb(75, 102,  
0) }
```

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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