

# Converting Colors

$Yxy(11.0755, 0.3472, 0.5073)$

Have a look what the booklet for  
Yxy(11.0755, 0.3472, 0.5073)  
contains.

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**Color**

**Yxy(11.0755, 0.3472, 0.5073)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	456721
RGB	69, 103, 33
RGB Percent	27%, 40%, 13%
CMY	0.7293, 0.5961, 0.8706
CMYK	0.33, 0.00, 0.68, 0.60
HSL	89°, 51%, 27%
HSV	89°, 68%, 40%
XYZ	7.5802, 11.0755, 3.1766
YIQ	84.8540, 2.2060, -28.9780

# Conversions

## Conversions Part 2

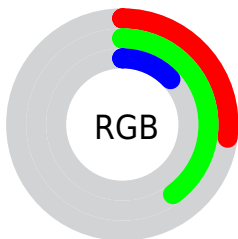
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 103, 67
Decimal	4548385
CIELab	39.71, -24.90, 34.48
CIElCh	40, 42.528, 125.834
Yxy	11.0755, 0.3472, 0.5073
Android (android.graphics.Color)	4282738465 (0xFF456721)
YUV	84.8540, -25.5640, -13.9040
Hunter-Lab	33.2799, -17.5828, 17.6366

# Details

The Yxy color **11.0755, 0.3472, 0.5073** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3.2589, 0.2439, 0.1499**, and the grayscale version is **9.1074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6984, 0.3435, 0.4577**, and **2.9989, 0.3336, 0.5733** is the 20% darker color. If you saturate the color by 10%, you get **10.8516, 0.3475, 0.5298**, and if you desaturate by 10%, it is **11.3335, 0.3451, 0.4818**.

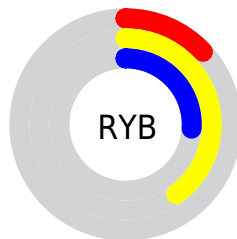
# Distribution



Red (27%)

Green (40%)

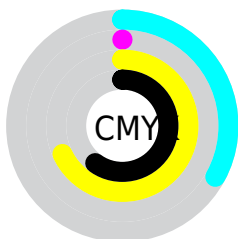
Blue (13%)



Red (13%)

Yellow (40%)

Blue (26%)

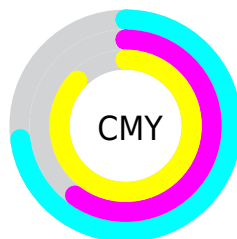


Cyan (33%)

Magenta (0%)

Yellow (68%)

Black (60%)



Cyan (73%)

Magenta (60%)

Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 11.0755, 0.3472, 0.5073 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 11.0755, 0.3472, 0.5073 by changing the saturation by 10% instead.




 11.0755, 0.3472,  
0.5073


 11.0755, 0.3472,  
0.5073


198.1848, 0.3313,  
0.3935


 6.1176, 0.3468,  
0.5472

 27.7997, 0.3432,  
0.4581


 2.9167, 0.3589,  
0.6411


 40.3348, 0.3409,  
0.4422

 1.0884, 0.2754,  
0.7246

 56.1645, 0.3388,  
0.4296


 0.0000, 0.0000,  
0.0000


 75.6731, 0.3369,  
0.4196


 99.2450, 0.3353,  
0.4113

 127.2647, 0.3338,


0.4044

 160.1165, 0.3325,  
0.3985


 11.0755, 0.3472,  
0.5073


 11.0755, 0.3472,  
0.5073


 10.8516, 0.3475,  
0.5298

 11.3335, 0.3451,  
0.4818


 10.6583, 0.3458,  
0.5481

 11.6259, 0.3414,  
0.4544

 10.4897, 0.3428,  
0.5633

 11.9548, 0.3364,  
0.4265

 10.4573, 0.3423,  
0.5664

 12.3220, 0.3307,  
0.3989

 12.7286, 0.3244,  
0.3724

■ 13.1762, 0.3179,  
0.3475

■ 13.6660, 0.3114,  
0.3245

■ 14.1991, 0.3050,  
0.3034

■ 14.7769, 0.2989,  
0.2843

# Harmonies

## Analogous

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



11.0755, 0.4305, 0.4783



11.0755, 0.3472, 0.5073



11.0755, 0.2596, 0.4635

# Triad

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



11.0755, 0.3472, 0.5073



11.0755, 0.1589, 0.2096



11.0755, 0.4425, 0.2861

# Complementary

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



11.0755, 0.3472, 0.5073



3.2589, 0.2439, 0.1499

# 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.



11.0755, 0.3477, 0.2334



11.0755, 0.3472, 0.5073



11.0755, 0.1907, 0.1902

# Square

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



11.0755, 0.3472, 0.5073



11.0755, 0.1583, 0.2652



11.0755, 0.2550, 0.1996



11.0755, 0.4963, 0.3491



# Rectangle

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



11.0755, 0.3472, 0.5073



11.0755, 0.2107, 0.3972



11.0755, 0.2550, 0.1996



11.0755, 0.4134, 0.2670

# Sweetspot

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



11.0760, 0.3472, 0.5073



22.5950, 0.3261, 0.3792



6.9874, 0.4566, 0.4057



5.4754, 0.3274, 0.3847



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.



11.0760, 0.3472, 0.5073



19.2026, 0.3466, 0.5421



10.1528, 0.3041, 0.5334



3.2053, 0.3185, 0.3498



13.1361, 0.3414, 0.5671



67.9890, 0.3375, 0.5702



# Inverse Universe

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



3.2589, 0.2439, 0.1499



4.0448, 0.2232, 0.1147



4.8816, 0.3170, 0.1831



2.8227, 0.3065, 0.3082



2.0640, 0.2036, 0.0895

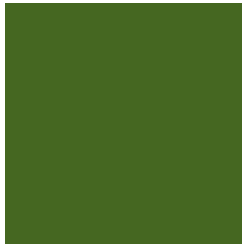


10.2475, 0.1978, 0.0864



# Previews

## White Background



This preview shows how the Yxy color 11.0755, 0.3472, 0.5073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

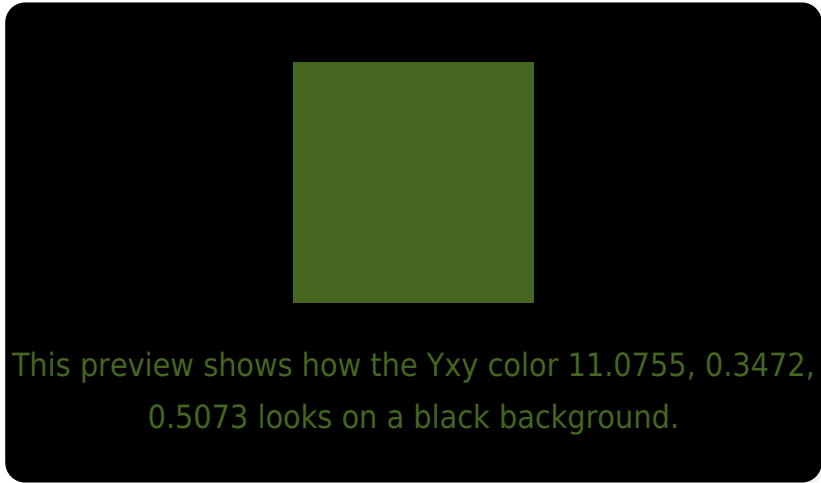
Any Text WCAG AA ✓ Pass

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

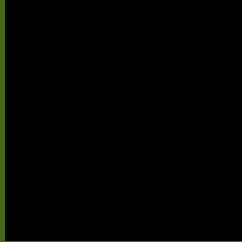
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 11.0755, 0.3472, 0.5073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 11.0755, 0.3472, 0.5073.



This preview shows how white text looks on a background with the Yxy color 11.0755, 0.3472, 0.5073.

# 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

11.0755, 0.3472, 0.5073

### Protanopia

10.8655, 0.4190, 0.4618

### Deuteranopia

10.9977, 0.4364, 0.4314



## Tritanopia

11.0275, 0.2780, 0.3094

# Trichromacy



## Original Color

11.0755, 0.3472, 0.5073

## Protanomaly

10.8725, 0.3903, 0.4803

## Deuteranomaly

10.7854, 0.4028, 0.4589

## Tritanomaly

10.9696, 0.3058, 0.3839

# Monochromacy



## Original Color

11.0755, 0.3472, 0.5073

## Achromatopsia

9.0842, 0.3127, 0.3290

## Achromatomaly

9.7099, 0.3300, 0.3988

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 11.0755, 0.3472, 0.5073 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(69, 103, 33)` looks like.

```
.text, #text, p{  
    color:rgb(69, 103, 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(69, 103, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 103, 33) }
```

## Border

The CSS property to change the border of an element to Yxy 11.0755, 0.3472, 0.5073 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(69, 103, 33) }
```

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

```
.border{ border-color:rgb(69, 103, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 103, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 103, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 103, 33);  
box-shadow:4px 4px 4px 4px rgb(69, 103,  
33) }
```



# Background

The CSS property to change the background color of an element to Yxy 11.0755, 0.3472, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 103, 33) }
```

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

```
.background{ background-color: rgb(69, 103,  
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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