

Converting Colors

$Y_{xy}(12.4261, 0.3756, 0.4454)$

Have a look what the booklet for
Yxy(12.4261, 0.3756, 0.4454)
contains.

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Color

Yxy(12.3944, 0.3767, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	636633
RGB	99, 102, 51
RGB Percent	39%, 40%, 20%
CMY	0.6118, 0.6000, 0.8000
CMYK	0.03, 0.00, 0.50, 0.60
HSL	64°, 33%, 30%
HSV	64°, 50%, 40%
XYZ	10.4944, 12.3944, 4.9700
YIQ	95.2890, 14.5830, -16.4970

Conversions

Conversions Part 2

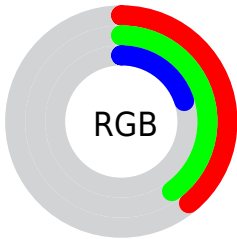
Format	Color
R_{YB}	51, 102, 54
Decimal	6514227
CIE _{Lab}	41.84, -9.42, 28.24
CIE _{LCh}	42, 29.772, 108.453
Yxy	12.3944, 0.3767, 0.4449
Android (android.graphics.Color)	4284704307 (0xFF636633)
YUV	95.2890, -21.8345, 3.2545
Hunter-Lab	35.2057, -8.4011, 16.2740

Details

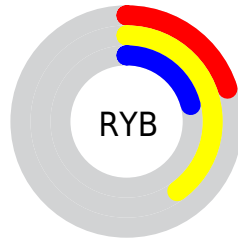
The Yxy color **12.3944, 0.3767, 0.4449** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.1103, 0.2287, 0.1842**, and the grayscale version is **11.5676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2626, 0.3621, 0.4150**, and **3.4471, 0.4016, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **12.2810, 0.3872, 0.4648**, and if you desaturate by 10%, it is **12.5289, 0.3649, 0.4228**.

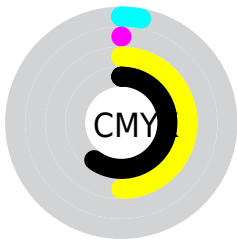
Distribution



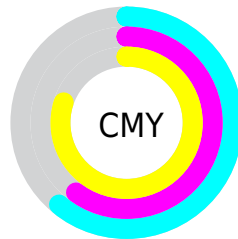
- Red (39%)
- Green (40%)
- Blue (20%)



- Red (20%)
- Yellow (40%)
- Blue (21%)



- Cyan (3%)
- Magenta (0%)
- Yellow (50%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3944, 0.3767, 0.4449 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 12.3944, 0.3767, 0.4449 by changing the saturation by 10% instead.

12.3944, 0.3767,
0.4449

12.3944, 0.3767,
0.4449

206.9991, 0.3399,
0.3739

7.0129, 0.3868,
0.4682

30.2114, 0.3623,
0.4152

3.4702, 0.4006,
0.5039

43.4157, 0.3571,
0.4053

1.3818, 0.4265,
0.5735

59.9964, 0.3529,
0.3974

0.2033, 0.0000,
1.0000

80.3378, 0.3494,
0.3909

0.0000, 0.0000,
0.0000

104.8244, 0.3465,
0.3856

133.8405, 0.3439,

0.3811

167.7707, 0.3418,
0.3772

■ 12.3944, 0.3767,
0.4449

■ 12.3944, 0.3767,
0.4449

■ 12.2810, 0.3872,
0.4648

■ 12.5289, 0.3649,
0.4228

■ 12.1857, 0.3958,
0.4819

■ 12.6841, 0.3521,
0.3995

■ 12.1076, 0.4023,
0.4954

■ 12.8616, 0.3389,
0.3757

■ 12.0451, 0.4065,
0.5051

■ 13.0624, 0.3257,
0.3520

■ 11.9902, 0.4096,
0.5129

■ 13.2874, 0.3127,
0.3290

■ 13.5376, 0.3003,
0.3072

■ 13.8138, 0.2885,
0.2866

■ 14.1168, 0.2776,
0.2676

■ 14.4475, 0.2674,
0.2501

Harmonies

Analogous

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



12.3944, 0.4241, 0.4157



12.3944, 0.3767, 0.4449



12.3944, 0.3149, 0.4387

Triad

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



12.3944, 0.3767, 0.4449



12.3944, 0.1986, 0.2677



12.3944, 0.3659, 0.2762

Complementary

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



12.3944, 0.3767, 0.4449



4.1103, 0.2287, 0.1842

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.



12.3944, 0.2996, 0.2438



12.3944, 0.3767, 0.4449



12.3944, 0.2087, 0.2361

Square

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



12.3944, 0.3767, 0.4449



12.3944, 0.2144, 0.3236



12.3944, 0.2435, 0.2292



12.3944, 0.4204, 0.3205

Rectangle

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



12.3944, 0.3767, 0.4449



12.3944, 0.2741, 0.4105



12.3944, 0.2435, 0.2292



12.3944, 0.3439, 0.2638

Sweetspot

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



12.3950, 0.3767, 0.4449



22.7111, 0.3328, 0.3648



5.6598, 0.4372, 0.3355



5.3457, 0.3348, 0.3682



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.



12.3950, 0.3767, 0.4449



21.5060, 0.3888, 0.4680



11.1960, 0.3372, 0.4621



3.2602, 0.3243, 0.3494



15.3925, 0.4095, 0.5130



80.1465, 0.4089, 0.5135

Inverse Universe

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



4.1103, 0.2287, 0.1842



5.1235, 0.2061, 0.1464



4.9905, 0.2727, 0.1998



2.7707, 0.3007, 0.3078



1.2756, 0.1531, 0.0617



6.5212, 0.1513, 0.0607

Previews

White Background



This preview shows how the Yxy color 12.3944, 0.3767, 0.4449 looks on a white background.

Color Contrast Check

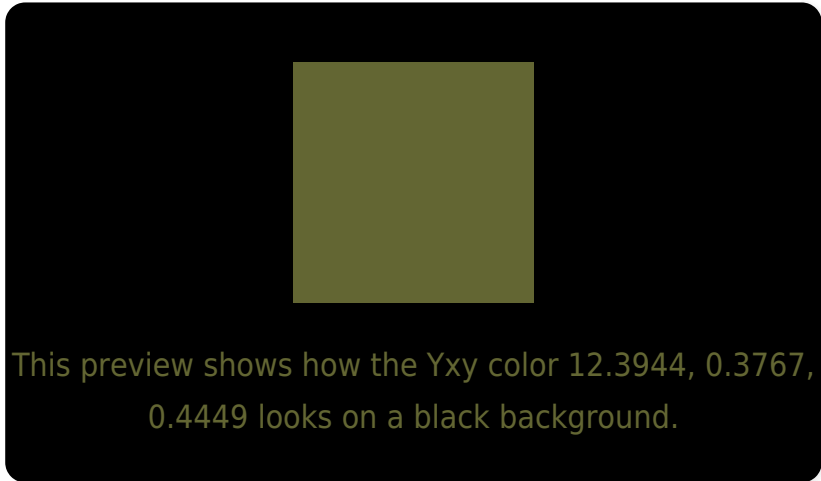
Large Text (above 18pt) WCAG AA ✓ Pass

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

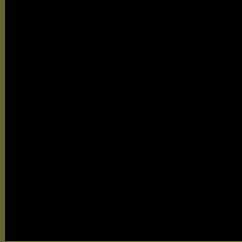
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3944, 0.3767, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 12.3944, 0.3767, 0.4449.



This preview shows how white text looks on a background with the Yxy color 12.3944, 0.3767, 0.4449.

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

12.3944, 0.3767, 0.4449

Protanopia

12.4052, 0.3972, 0.4343

Deuteranopia

12.3274, 0.4184, 0.4117



Tritanopia

12.3685, 0.3150, 0.3115

Trichromacy



Original Color

12.3944, 0.3767, 0.4449

Protanomaly

12.3479, 0.3896, 0.4390

Deuteranomaly

12.3080, 0.4033, 0.4241

Tritanomaly

12.2748, 0.3389, 0.3586

Monochromacy



Original Color

12.3944, 0.3767, 0.4449

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7867, 0.3366, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3944, 0.3767, 0.4449 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(99, 102, 51) looks like.

```
.text, #text, p{  
    color:rgb(99, 102, 51)  
}
```

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(99, 102, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 102, 51) }
```

Border

The CSS property to change the border of an element to Yxy 12.3944, 0.3767, 0.4449 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(99, 102, 51) }
```

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

```
.border{ border-color:rgb(99, 102, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 102, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 102, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 102, 51);  
box-shadow:4px 4px 4px 4px rgb(99, 102,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3944, 0.3767, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 102, 51) }
```

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

```
.background{ background-color: rgb(99, 102,  
51) }
```

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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