

Converting Colors

$Y_{xy}(12.4160, 0.3231, 0.5452)$

Have a look what the booklet for
Yxy(12.4160, 0.3231, 0.5452)
contains.

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Color

Yxy(12.3667, 0.3238, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	33701A
RGB	51, 112, 26
RGB Percent	20%, 44%, 10%
CMY	0.7998, 0.5608, 0.8980
CMYK	0.54, 0.00, 0.77, 0.56
HSL	103°, 62%, 27%
HSV	103°, 77%, 44%
XYZ	7.3474, 12.3667, 2.9771
YIQ	83.9570, -8.7500, -39.6780

Conversions

Conversions Part 2

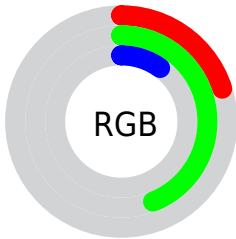
Format	Color
R_{YB}	26, 112, 87
Decimal	3371034
CIE _{Lab}	41.79, -36.11, 39.39
CIE _{LCh}	42, 53.440, 132.515
Yxy	12.3667, 0.3238, 0.5450
Android (android.graphics.Color)	4281561114 (0xFF33701A)
YUV	83.9570, -28.5728, -28.9033
Hunter-Lab	35.1663, -24.2465, 19.5971

Details

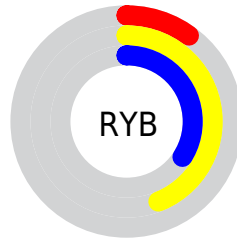
The Yxy color **12.3667, 0.3238, 0.5450** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.9330, 0.2688, 0.1464**, and the grayscale version is **8.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0158, 0.3279, 0.4852**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1375, 0.3208, 0.5661**, and if you desaturate by 10%, it is **12.6518, 0.3255, 0.5190**.

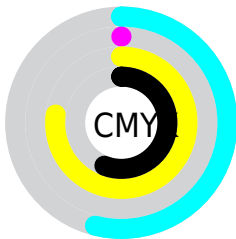
Distribution



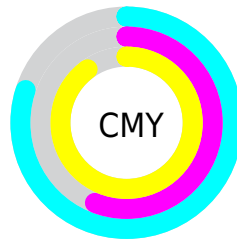
- Red (20%)
- Green (44%)
- Blue (10%)



- Red (10%)
- Yellow (44%)
- Blue (34%)



- Cyan (54%)
- Magenta (0%)
- Yellow (77%)
- Black (56%)




- Cyan (80%)
- Magenta (56%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3667, 0.3238, 0.5450 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 12.3667, 0.3238, 0.5450 by changing the saturation by 10% instead.


 12.3667, 0.3238,
0.5450


 12.3667, 0.3238,
0.5450


206.8180, 0.3249,
0.4072


 6.9939, 0.3158,
0.5924


 30.1612, 0.3280,
0.4857


 3.4583, 0.3095,
0.6905

 43.3518, 0.3281,
0.4664


 1.3754, 0.2071,
0.7929

 59.9171, 0.3278,
0.4511

 0.1985, 0.0000,
1.0000


 80.2415, 0.3272,
0.4389

 0.0000, 0.0000,
0.0000

 104.7094, 0.3267,
0.4288


 133.7052, 0.3260,

0.4204


 167.6133, 0.3254,
0.4133


 12.3667, 0.3238,
0.5450

 12.3667, 0.3238,
0.5450

 12.1375, 0.3208,
0.5661


 12.6518, 0.3255,
0.5190

 11.9558, 0.3171,
0.5822

 12.9949, 0.3258,
0.4898

 11.9047, 0.3161,
0.5872

 13.3999, 0.3250,
0.4590

 13.8699, 0.3233,
0.4281

 14.4077, 0.3209,
0.3984

■ 15.0160, 0.3180,
0.3705

■ 15.6973, 0.3149,
0.3450

■ 16.4540, 0.3117,
0.3218

■ 17.2884, 0.3084,
0.3011

Harmonies

Analogous

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



12.3667, 0.4244, 0.5150



12.3667, 0.3238, 0.5450



12.3667, 0.2255, 0.4715

Triad

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



12.3667, 0.3238, 0.5450



12.3667, 0.1405, 0.1806



12.3667, 0.4898, 0.2913

Complementary

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



12.3667, 0.3238, 0.5450



3.9330, 0.2688, 0.1464

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.



12.3667, 0.3805, 0.2290



12.3667, 0.3238, 0.5450



12.3667, 0.1834, 0.1683

Square

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



12.3667, 0.3238, 0.5450



12.3667, 0.1313, 0.2314



12.3667, 0.2650, 0.1857



12.3667, 0.5352, 0.3625

Rectangle

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



12.3667, 0.3238, 0.5450



12.3667, 0.1754, 0.3804



12.3667, 0.2650, 0.1857



12.3667, 0.4580, 0.2691

Sweetspot

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



12.3672, 0.3238, 0.5450



25.6383, 0.3200, 0.3893



10.2066, 0.4473, 0.4471



6.0883, 0.3208, 0.3975



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.3672, 0.3238, 0.5450



21.0761, 0.3178, 0.5781



11.9833, 0.2907, 0.5231



3.8059, 0.3156, 0.3504



13.7524, 0.3157, 0.5876



68.1142, 0.3123, 0.5902

Inverse Universe

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



3.9330, 0.2688, 0.1464



5.3989, 0.2557, 0.1226



5.0061, 0.3589, 0.1973



3.4071, 0.3095, 0.3080



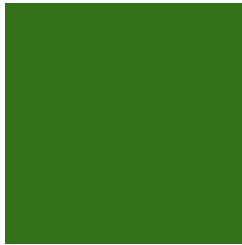
3.2816, 0.2510, 0.1156



15.8895, 0.2471, 0.1135

Previews

White Background



This preview shows how the Yxy color 12.3667, 0.3238, 0.5450 looks on a white background.

Color Contrast Check

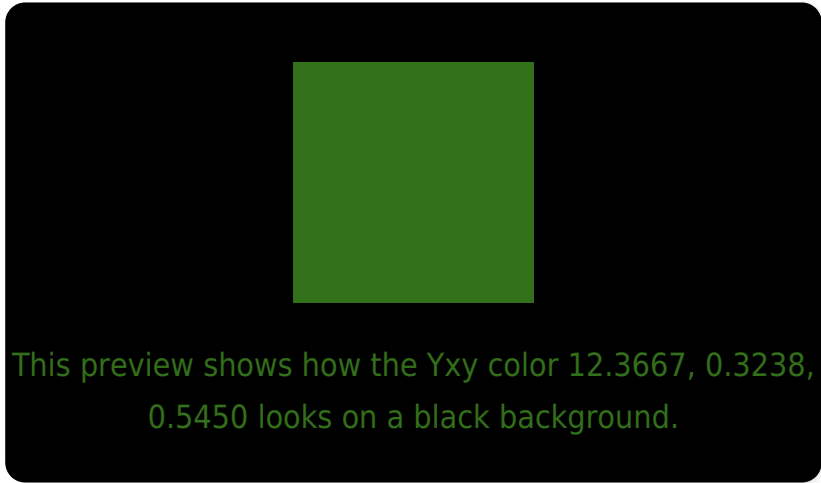
Large Text (above 18pt) WCAG AA ✓ Pass

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

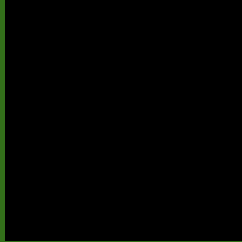
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3667, 0.3238, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 12.3667, 0.3238, 0.5450.



This preview shows how white text looks on a background with the Yxy color 12.3667, 0.3238, 0.5450.

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

12.3667, 0.3238, 0.5450

Protanopia

12.1122, 0.4272, 0.4725

Deuteranopia

12.1551, 0.4461, 0.4383



Tritanopia

12.2862, 0.2562, 0.3073

Trichromacy



Original Color

12.3667, 0.3238, 0.5450

Protanomaly

11.8903, 0.3854, 0.5016

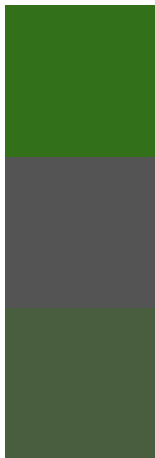
Deuteranomaly

11.7547, 0.3967, 0.4790

Tritanomaly

12.1016, 0.2848, 0.3977

Monochromacy



Original Color

12.3667, 0.3238, 0.5450

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.7420, 0.3223, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3667, 0.3238, 0.5450 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(51, 112, 26)` looks like.

```
.text, #text, p{  
    color:rgb(51, 112, 26)  
}
```

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(51, 112, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 112, 26) }
```

Border

The CSS property to change the border of an element to Yxy 12.3667, 0.3238, 0.5450 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(51, 112, 26) }
```

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

```
.border{ border-color:rgb(51, 112, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 112, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 112, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 112, 26);  
box-shadow:4px 4px 4px 4px rgb(51, 112,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3667, 0.3238, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 112, 26) }
```

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

```
.background{ background-color: rgb(51, 112,  
26) }
```

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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