

Converting Colors

$Y_{xy}(11.5243, 0.3351, 0.5320)$

Have a look what the booklet for
Yxy(11.5243, 0.3351, 0.5320)
contains.

Yxy(11.5243, 0.3351, 0.5320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.5243, 0.3351, 0.5320)

Conversions

Conversions Part 1

Format	Color
Hex	3B6B1B
RGB	59, 107, 27
RGB Percent	23%, 42%, 11%
CMY	0.7686, 0.5804, 0.8941
CMYK	0.45, 0.00, 0.75, 0.58
HSL	96°, 60%, 26%
HSV	96°, 75%, 42%
XYZ	7.2590, 11.5243, 2.8789
YIQ	83.5280, -2.9280, -35.0560

Conversions

Conversions Part 2

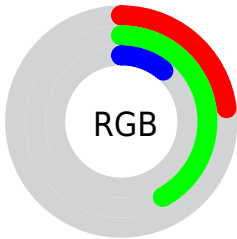
Format	Color
R_{YB}	27, 107, 75
Decimal	3894043
CIE _{Lab}	40.45, -31.18, 37.74
CIE _{LCh}	40, 48.959, 129.561
Yxy	11.5243, 0.3351, 0.5320
Android (android.graphics.Color)	4282084123 (0xFF3B6B1B)
YUV	83.5280, -27.8683, -21.5111
Hunter-Lab	33.9475, -21.2393, 18.7351

Details

The Yxy color **11.5243, 0.3351, 0.5320** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.3421, 0.2528, 0.1420**, and the grayscale version is **8.8224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6976, 0.3362, 0.4762**, and **3.1602, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **11.2997, 0.3329, 0.5532**, and if you desaturate by 10%, it is **11.7921, 0.3356, 0.5066**.

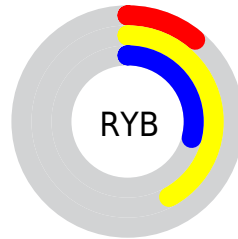
Distribution



Red (23%)

Green (42%)

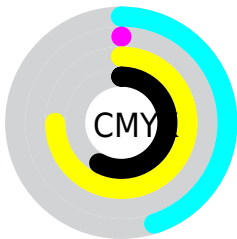
Blue (11%)



Red (11%)

Yellow (42%)

Blue (29%)

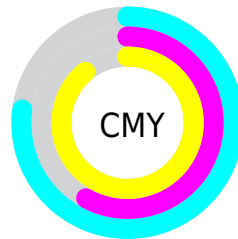


Cyan (45%)

Magenta (0%)

Yellow (75%)

Black (58%)



Cyan (77%)


Magenta (58%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5243, 0.3351, 0.5320 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 11.5243, 0.3351, 0.5320 by changing the saturation by 10% instead.


 11.5243, 0.3351,
0.5320


 11.5243, 0.3351,
0.5320


201.2301, 0.3284,
0.4022


 6.4207, 0.3301,
0.5771


 28.6257, 0.3357,
0.4759


 3.1025, 0.3286,
0.6714


 41.3922, 0.3347,
0.4577


 1.1855, 0.2221,
0.7779

 57.4819, 0.3336,
0.4434

 0.0498, 0.0000,
1.0000


 77.2790, 0.3324,
0.4319


 0.0000, 0.0000,
0.0000


 101.1679, 0.3313,
0.4225


 129.5332, 0.3302,


0.4146


 162.7591, 0.3293,
0.4079


 11.5243, 0.3351,
0.5320


 11.5243, 0.3351,
0.5320


 11.2997, 0.3329,
0.5532


 11.7921, 0.3356,
0.5066


 11.1126, 0.3293,
0.5698

 12.1042, 0.3345,
0.4785

 11.0250, 0.3275,
0.5782

 12.4635, 0.3320,
0.4491

 12.8721, 0.3286,
0.4198

 13.3320, 0.3244,
0.3914

■ 13.8451, 0.3198,
0.3647

■ 14.4132, 0.3150,
0.3400

■ 15.0379, 0.3102,
0.3175

■ 15.7209, 0.3055,
0.2972

Harmonies

Analogous

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



11.5243, 0.4297, 0.5006



11.5243, 0.3351, 0.5320



11.5243, 0.2398, 0.4722

Triad

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



11.5243, 0.3351, 0.5320



11.5243, 0.1460, 0.1911



11.5243, 0.4709, 0.2879

Complementary

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



11.5243, 0.3351, 0.5320



3.3421, 0.2528, 0.1420

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.



11.5243, 0.3656, 0.2291



11.5243, 0.3351, 0.5320



11.5243, 0.1842, 0.1756

Square

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



11.5243, 0.3351, 0.5320



11.5243, 0.1405, 0.2451



11.5243, 0.2587, 0.1896



11.5243, 0.5219, 0.3563

Rectangle

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



11.5243, 0.3351, 0.5320



11.5243, 0.1892, 0.3905



11.5243, 0.2587, 0.1896



11.5243, 0.4394, 0.2667

Sweetspot

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



11.5248, 0.3351, 0.5320



24.0601, 0.3234, 0.3855



8.2378, 0.4577, 0.4295



5.7818, 0.3243, 0.3909



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.5248, 0.3351, 0.5320



19.9680, 0.3301, 0.5662



10.8704, 0.2969, 0.5367



3.4983, 0.3170, 0.3501



13.3948, 0.3268, 0.5787



67.7747, 0.3229, 0.5818

Inverse Universe

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



3.3421, 0.2528, 0.1420



4.3779, 0.2349, 0.1130



4.8110, 0.3376, 0.1865



3.1065, 0.3080, 0.3081



2.6081, 0.2267, 0.1022



12.7746, 0.2216, 0.0995

Previews

White Background



This preview shows how the Yxy color 11.5243, 0.3351, 0.5320 looks on a white background.

Color Contrast Check

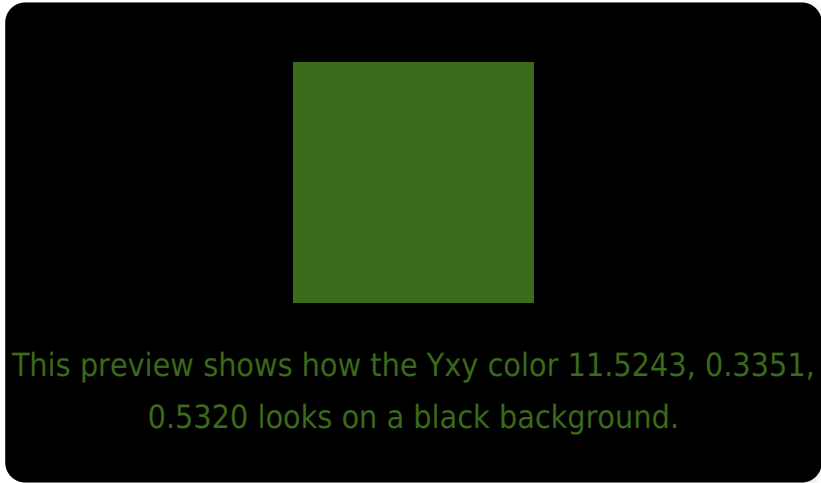
Large Text (above 18pt) WCAG AA ✓ Pass

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

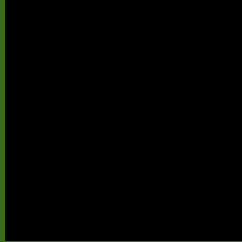
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5243, 0.3351, 0.5320

Background



This preview shows how black text looks on a background with the Yxy color 11.5243, 0.3351, 0.5320.



This preview shows how white text looks on a background with the Yxy color 11.5243, 0.3351, 0.5320.

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

11.5243, 0.3351, 0.5320

Protanopia

11.3762, 0.4262, 0.4698

Deuteranopia

11.3498, 0.4444, 0.4366



Tritanopia

11.5748, 0.2656, 0.3094

Trichromacy



Original Color

11.5243, 0.3351, 0.5320

Protanomaly

11.1675, 0.3912, 0.4935

Deuteranomaly

11.0061, 0.4018, 0.4725

Tritanomaly

11.4583, 0.2938, 0.3925

Monochromacy



Original Color

11.5243, 0.3351, 0.5320

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.5090, 0.3277, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5243, 0.3351, 0.5320 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(59, 107, 27)` looks like.

```
.text, #text, p{  
    color:rgb(59, 107, 27)  
}
```

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(59, 107, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 107, 27) }
```

Border

The CSS property to change the border of an element to Yxy 11.5243, 0.3351, 0.5320 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(59, 107, 27) }
```

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

```
.border{ border-color:rgb(59, 107, 27) }
```

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

Here you see how a box with a 4 pixel rgb(59, 107, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 107, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 107, 27);  
box-shadow:4px 4px 4px 4px rgb(59, 107,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5243, 0.3351, 0.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 107, 27) }
```

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

```
.background{ background-color: rgb(59, 107,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor