

Converting Colors

$Y_{xy}(11.1870, 0.3168, 0.5197)$

Have a look what the booklet for
Yxy(11.1870, 0.3168, 0.5197)
contains.

Yxy(11.1197, 0.3170, 0.5181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.1197, 0.3170, 0.5181)

Conversions

Conversions Part 1

Format	Color
Hex	326A25
RGB	50, 106, 37
RGB Percent	20%, 42%, 15%
CMY	0.8039, 0.5843, 0.8548
CMYK	0.53, 0.00, 0.65, 0.58
HSL	109°, 48%, 28%
HSV	109°, 65%, 42%
XYZ	6.8036, 11.1197, 3.5392
YIQ	81.3900, -11.2270, -33.3310

Conversions

Conversions Part 2

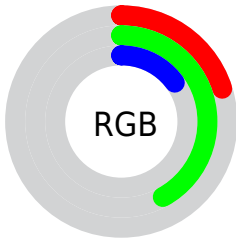
Format	Color
R_{YB}	37, 106, 93
Decimal	3303973
CIE _{Lab}	39.78, -32.83, 32.35
CIE _{LCh}	40, 46.090, 135.427
Yxy	11.1197, 0.3170, 0.5181
Android (android.graphics.Color)	4281494053 (0xFF326A25)
YUV	81.3900, -21.8843, -27.5290
Hunter-Lab	33.3462, -21.9367, 17.0497

Details

The Yxy color **11.1197, 0.3170, 0.5181** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.6927, 0.2924, 0.1764**, and the grayscale version is **8.3563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9344, 0.3211, 0.4637**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.8644, 0.3152, 0.5457**, and if you desaturate by 10%, it is **11.4364, 0.3179, 0.4874**.

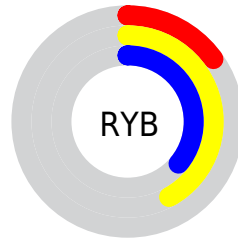
Distribution



Red (20%)

Green (42%)

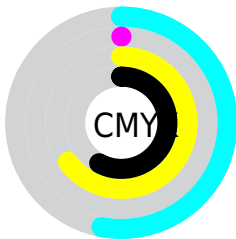
Blue (15%)



Red (15%)

Yellow (42%)

Blue (36%)

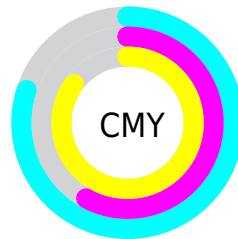


Cyan (53%)

Magenta (0%)

Yellow (65%)

Black (58%)



Cyan (80%)


Magenta (58%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1197, 0.3170, 0.5181 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 11.1197, 0.3170, 0.5181 by changing the saturation by 10% instead.


 11.1197, 0.3170,
0.5181


 11.1197, 0.3170,
0.5181


198.4869, 0.3199,
0.3954


 6.1474, 0.3103,
0.5636

 27.8813, 0.3209,
0.4639


 2.9349, 0.3079,
0.6643


 40.4394, 0.3213,
0.4468

 1.0978, 0.1718,
0.8282

 56.2949, 0.3213,
0.4334

 0.0000, 0.0000,
0.0000

 75.8321, 0.3211,
0.4227

 99.4356, 0.3208,
0.4140

 127.4896, 0.3205,

0.4067

160.3786, 0.3202,
0.4006

11.1197, 0.3170,
0.5181

11.1197, 0.3170,
0.5181

10.8644, 0.3152,
0.5457

11.4364, 0.3179,
0.4874

10.6651, 0.3127,
0.5684

11.8168, 0.3181,
0.4554

10.5163, 0.3097,
0.5853

12.2647, 0.3175,
0.4238

10.4566, 0.3087,
0.5931

12.7832, 0.3165,
0.3938

13.3753, 0.3152,
0.3660

■ 14.0437, 0.3136,
0.3408

■ 14.7909, 0.3119,
0.3182

■ 15.6195, 0.3101,
0.2982

■ 16.5319, 0.3084,
0.2806

Harmonies

Analogous

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



11.1197, 0.4099, 0.5046



11.1197, 0.3170, 0.5181



11.1197, 0.2278, 0.4436

Triad

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



11.1197, 0.3170, 0.5181



11.1197, 0.1565, 0.1910



11.1197, 0.4784, 0.3027

Complementary

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



11.1197, 0.3170, 0.5181



4.6927, 0.2924, 0.1764

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.



11.1197, 0.3848, 0.2430



11.1197, 0.3170, 0.5181



11.1197, 0.2004, 0.1816

Square

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



11.1197, 0.3170, 0.5181



11.1197, 0.1452, 0.2356



11.1197, 0.2794, 0.2002



11.1197, 0.5143, 0.3705

Rectangle

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



11.1197, 0.3170, 0.5181



11.1197, 0.1833, 0.3640



11.1197, 0.2794, 0.2002



11.1197, 0.4518, 0.2815

Sweetspot

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



11.1202, 0.3170, 0.5181



22.8885, 0.3159, 0.3809



10.8876, 0.4161, 0.4475



5.3133, 0.3162, 0.3866



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.



11.1202, 0.3170, 0.5181



18.8775, 0.3140, 0.5579



11.0045, 0.2850, 0.4700



3.4697, 0.3142, 0.3503



12.9641, 0.3081, 0.5936



65.7666, 0.3054, 0.5957

Inverse Universe

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



4.6927, 0.2924, 0.1764



6.5851, 0.2855, 0.1511



5.0491, 0.3669, 0.2244



3.1366, 0.3110, 0.3083



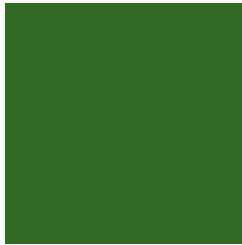
3.7360, 0.2755, 0.1291



18.6837, 0.2728, 0.1277

Previews

White Background



This preview shows how the Yxy color 11.1197, 0.3170, 0.5181 looks on a white background.

Color Contrast Check

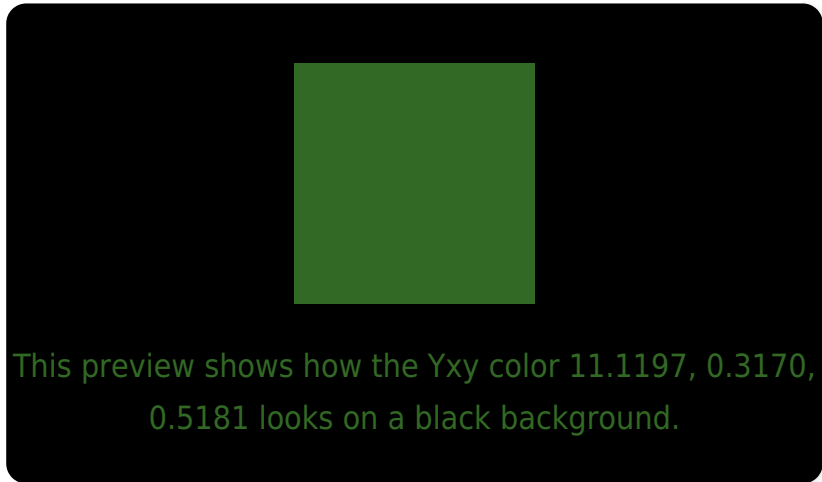
Large Text (above 18pt) WCAG AA ✓ Pass

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

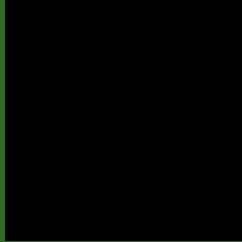
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1197, 0.3170, 0.5181

Background



This preview shows how black text looks on a background with the Yxy color 11.1197, 0.3170, 0.5181.



This preview shows how white text looks on a background with the Yxy color 11.1197, 0.3170, 0.5181.

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

11.1197, 0.3170, 0.5181

Protanopia

11.0640, 0.4135, 0.4574

Deuteranopia

10.9568, 0.4297, 0.4257



Tritanopia

11.0752, 0.2573, 0.3088

Trichromacy



Original Color

11.1197, 0.3170, 0.5181

Protanomaly

10.7415, 0.3735, 0.4818

Deuteranomaly

10.5618, 0.3833, 0.4605

Tritanomaly

11.0417, 0.2804, 0.3833

Monochromacy



Original Color

11.1197, 0.3170, 0.5181

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.9961, 0.3173, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1197, 0.3170, 0.5181 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(50, 106, 37)` looks like.

```
.text, #text, p{  
    color:rgb(50, 106, 37)  
}
```

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(50, 106, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 106, 37) }
```

Border

The CSS property to change the border of an element to Yxy 11.1197, 0.3170, 0.5181 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(50, 106, 37) }
```

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

```
.border{ border-color:rgb(50, 106, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 106, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 106, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 106, 37);  
box-shadow:4px 4px 4px 4px rgb(50, 106,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1197, 0.3170, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 106, 37) }
```

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

```
.background{ background-color: rgb(50, 106,  
37) }
```

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