

Converting Colors

$Yxy(11.7594, 0.3177, 0.5236)$

Have a look what the booklet for
Yxy(11.7594, 0.3177, 0.5236)
contains.

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Color

Yxy(11.7685, 0.3181, 0.5234)

Conversions

Conversions Part 1

Format	Color
Hex	336D24
RGB	51, 109, 36
RGB Percent	20%, 43%, 14%
CMY	0.8000, 0.5725, 0.8588
CMYK	0.53, 0.00, 0.67, 0.57
HSL	108°, 50%, 28%
HSV	108°, 67%, 43%
XYZ	7.1524, 11.7685, 3.5638
YIQ	83.3360, -11.1350, -34.9990

Conversions

Conversions Part 2

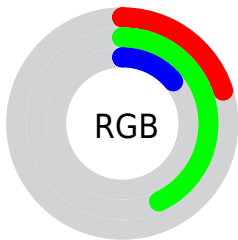
Format	Color
RYB	36, 109, 94
Decimal	3370276
CIELab	40.85, -33.93, 34.03
CIELCh	41, 48.059, 134.914
Yxy	11.7685, 0.3181, 0.5234
Android (android.graphics.Color)	4281560356 (0xFF336D24)
YUV	83.3360, -23.3366, -28.3587
Hunter-Lab	34.3052, -22.8183, 17.8543

Details


The Yxy color **11.7685, 0.3181, 0.5234** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.7462, 0.2889, 0.1712**, and the grayscale version is **8.7730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0134, 0.3222, 0.4688**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.5078, 0.3162, 0.5501**, and if you desaturate by 10%, it is **12.0924, 0.3191, 0.4932**.

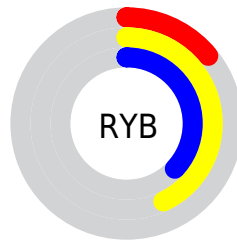
Distribution



 Red (20%)

 Green (43%)

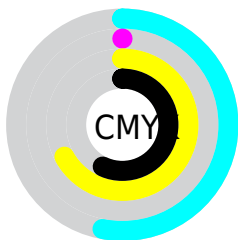
 Blue (14%)




 Red (14%)

 Yellow (43%)

 Blue (37%)

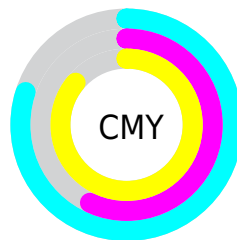



 Cyan (53%)


 Magenta (0%)

 Yellow (67%)

 Black (57%)



 Cyan (80%)


 Magenta (57%)


 Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7685, 0.3181, 0.5234 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 11.7685, 0.3181, 0.5234 by changing the saturation by 10% instead.


 11.7685, 0.3181,
0.5234


 11.7685, 0.3181,
0.5234


202.8666, 0.3208,
0.3981


 6.5862, 0.3113,
0.5687


 29.0728, 0.3220,
0.4686


 3.2047, 0.3073,
0.6650

 41.9636, 0.3224,
0.4510


 1.2395, 0.2016,
0.7984

 58.1927, 0.3223,
0.4373

 0.0936, 0.0000,
1.0000

 78.1445, 0.3221,
0.4264

 0.0000, 0.0000,
0.0000

 102.2034, 0.3218,
0.4174

 130.7538, 0.3215,

0.4099

164.1801, 0.3211,
0.4035

11.7685, 0.3181,
0.5234

11.7685, 0.3181,
0.5234

11.5078, 0.3162,
0.5501

12.0924, 0.3191,
0.4932

11.3047, 0.3134,
0.5715

12.4819, 0.3192,
0.4615

11.1519, 0.3103,
0.5876

12.9409, 0.3186,
0.4298

11.1128, 0.3096,
0.5924

13.4727, 0.3174,
0.3994

14.0805, 0.3159,
0.3712

■ 14.7669, 0.3141,
0.3454

■ 15.5348, 0.3121,
0.3223

■ 16.3867, 0.3101,
0.3017

■ 17.3251, 0.3081,
0.2836

Harmonies

Analogous

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



11.7685, 0.4126, 0.5070



11.7685, 0.3181, 0.5234



11.7685, 0.2271, 0.4486

Triad

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



11.7685, 0.3181, 0.5234



11.7685, 0.1534, 0.1888



11.7685, 0.4810, 0.3006

Complementary

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



11.7685, 0.3181, 0.5234



4.7462, 0.2889, 0.1712

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.



11.7685, 0.3844, 0.2404



11.7685, 0.3181, 0.5234



11.7685, 0.1972, 0.1790

Square

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



11.7685, 0.3181, 0.5234



11.7685, 0.1423, 0.2346



11.7685, 0.2769, 0.1974



11.7685, 0.5184, 0.3692

Rectangle

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



11.7685, 0.3181, 0.5234



11.7685, 0.1815, 0.3667



11.7685, 0.2769, 0.1974



11.7685, 0.4534, 0.2793

Sweetspot

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



11.7690, 0.3181, 0.5234



24.8060, 0.3165, 0.3810



11.2402, 0.4209, 0.4482



5.7194, 0.3168, 0.3869



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.



11.7690, 0.3181, 0.5234



20.4023, 0.3148, 0.5621



11.6052, 0.2858, 0.4788



3.4720, 0.3144, 0.3503



12.9880, 0.3092, 0.5927



65.8694, 0.3064, 0.5949

Inverse Universe

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



4.7462, 0.2889, 0.1712



6.7798, 0.2811, 0.1463



5.2233, 0.3663, 0.2196



3.1341, 0.3108, 0.3083



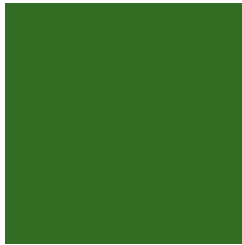
3.6292, 0.2714, 0.1269



18.1173, 0.2685, 0.1253

Previews

White Background



This preview shows how the Yxy color 11.7685, 0.3181, 0.5234 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



This preview shows how the Yxy color 11.7685, 0.3181, 0.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

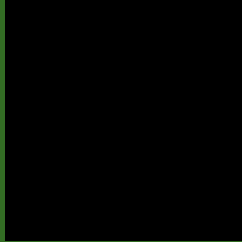
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7685, 0.3181, 0.5234

Background



This preview shows how black text looks on a background with the Yxy color 11.7685, 0.3181, 0.5234.



This preview shows how white text looks on a background with the Yxy color 11.7685, 0.3181, 0.5234.

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

11.7685, 0.3181, 0.5234

Protanopia

11.5958, 0.4177, 0.4610

Deuteranopia

11.5713, 0.4335, 0.4263



Tritanopia

11.7523, 0.2564, 0.3092

Trichromacy



Original Color

11.7685, 0.3181, 0.5234

Protanomaly

11.4434, 0.3772, 0.4873

Deuteranomaly

11.2682, 0.3851, 0.4633

Tritanomaly

11.6883, 0.2811, 0.3876

Monochromacy



Original Color

11.7685, 0.3181, 0.5234

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.3872, 0.3170, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7685, 0.3181, 0.5234 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, 109, 36)` looks like.

```
.text, #text, p{  
    color:rgb(51, 109, 36)  
}
```

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, 109, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 109, 36) }
```

Border

The CSS property to change the border of an element to Yxy 11.7685, 0.3181, 0.5234 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, 109, 36) }
```

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

```
.border{ border-color:rgb(51, 109, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 109, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 109, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 109, 36);  
box-shadow:4px 4px 4px 4px rgb(51, 109,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7685, 0.3181, 0.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 109, 36) }
```

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

```
.background{ background-color: rgb(51, 109,  
36) }
```

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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