

Converting Colors

$Y_{xy}(11.8889, 0.3084, 0.4247)$

Have a look what the booklet for
Yxy(11.8889, 0.3084, 0.4247)
contains.

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Color

Yxy(11.7980, 0.3083, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	456945
RGB	69, 105, 69
RGB Percent	27%, 41%, 27%
CMY	0.7293, 0.5882, 0.7295
CMYK	0.34, 0.00, 0.34, 0.59
HSL	120°, 21%, 34%
HSV	120°, 34%, 41%
XYZ	8.5806, 11.7980, 7.4534
YIQ	90.1320, -9.9000, -18.8280

Conversions

Conversions Part 2

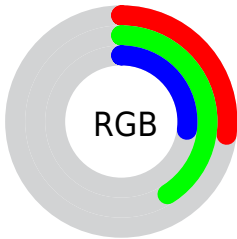
Format	Color
RYB	69, 105, 105
Decimal	4548933
CIELab	40.89, -20.93, 16.28
CIElCh	41, 26.514, 142.126
Yxy	11.7980, 0.3083, 0.4239
Android (android.graphics.Color)	4282739013 (0xFF456945)
YUV	90.1320, -10.4181, -18.5328
Hunter-Lab	34.3482, -15.5178, 11.1781

Details

The Yxy color **11.7980, 0.3083, 0.4239** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.2765, 0.3164, 0.2494**, and the grayscale version is **10.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0069, 0.3105, 0.3957**, and **3.1670, 0.3001, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **11.3290, 0.3068, 0.4571**, and if you desaturate by 10%, it is **12.3590, 0.3098, 0.3927**.

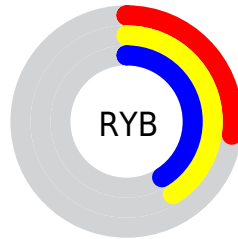
Distribution



Red (27%)

Green (41%)

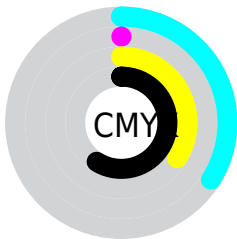
Blue (27%)



Red (27%)

Yellow (41%)

Blue (41%)

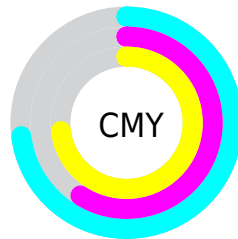


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (59%)



Cyan (73%)


Magenta (59%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7980, 0.3083, 0.4239 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 11.7980, 0.3083, 0.4239 by changing the saturation by 10% instead.


 11.7980, 0.3083,
0.4239


 11.7980, 0.3083,
0.4239


203.0634, 0.3123,
0.3635


 6.6063, 0.3058,
0.4465


 29.1267, 0.3106,
0.3974


 3.2171, 0.3005,
0.4829

 42.0324, 0.3111,
0.3890

 1.2461, 0.3089,
0.6059

 58.2783, 0.3115,
0.3824

 0.0989, 0.0000,
1.0000

 78.2487, 0.3118,
0.3771

 0.0000, 0.0000,
0.0000

 102.3280, 0.3120,
0.3728

130.9006, 0.3121,

0.3692

164.3509, 0.3122,
0.3661

■ 11.7980, 0.3083,
0.4239

■ 11.7980, 0.3083,
0.4239

■ 11.3290, 0.3068,
0.4571

■ 12.3590, 0.3098,
0.3927

■ 10.9456, 0.3052,
0.4908

■ 13.0148, 0.3111,
0.3643

■ 10.6432, 0.3036,
0.5233


■ 13.7703, 0.3123,
0.3389

■ 10.4159, 0.3023,
0.5521


■ 14.6291, 0.3133,
0.3166

■ 10.2571, 0.3012,
0.5751

■ 15.5951, 0.3142,
0.2972


 10.1554, 0.3004,
0.5913

 16.6718, 0.3150,
0.2804

 10.1036, 0.3000,
0.6000

 17.8625, 0.3156,
0.2659

 19.1704, 0.3162,
0.2533

 20.5986, 0.3167,
0.2425

Harmonies

Analogous

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



11.7980, 0.3652, 0.4352



11.7980, 0.3083, 0.4239



11.7980, 0.2554, 0.3775

Triad

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



11.7980, 0.3083, 0.4239



11.7980, 0.2202, 0.2423



11.7980, 0.4143, 0.3274

Complementary

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



11.7980, 0.3083, 0.4239



8.2765, 0.3164, 0.2494

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.



11.7980, 0.3681, 0.2854



11.7980, 0.3083, 0.4239



11.7980, 0.2551, 0.2381

Square

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



11.7980, 0.3083, 0.4239



11.7980, 0.2080, 0.2689



11.7980, 0.3083, 0.2537



11.7980, 0.4297, 0.3728

Rectangle

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



11.7980, 0.3083, 0.4239



11.7980, 0.2293, 0.3373



11.7980, 0.3083, 0.2537



11.7980, 0.4017, 0.3126

Sweetspot

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



11.7985, 0.3083, 0.4239



23.8251, 0.3116, 0.3538



13.4140, 0.3615, 0.4078



5.5496, 0.3114, 0.3564



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.



11.7985, 0.3083, 0.4239



20.4507, 0.3071, 0.4499



12.0462, 0.2877, 0.3767



3.4449, 0.3117, 0.3504



12.7932, 0.3000, 0.6000



65.1851, 0.3000, 0.6000

Inverse Universe

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



8.2765, 0.3164, 0.2494



13.1214, 0.3172, 0.2319



7.9561, 0.3486, 0.2860



3.1638, 0.3137, 0.3084



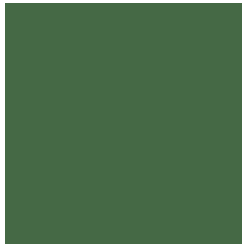
5.0879, 0.3207, 0.1541



25.9230, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 11.7980, 0.3083, 0.4239 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 11.7980, 0.3083, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

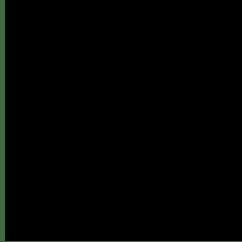
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.7980, 0.3083, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 11.7980, 0.3083, 0.4239.



This preview shows how white text looks on a background with the Yxy color 11.7980, 0.3083, 0.4239.

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

11.7980, 0.3083, 0.4239

Protanopia

11.6905, 0.3712, 0.4001

Deuteranopia

11.6329, 0.3785, 0.3729



Tritanopia

11.7336, 0.2704, 0.3097

Trichromacy



Original Color

11.7980, 0.3083, 0.4239

Protanomaly

11.5412, 0.3465, 0.4097

Deuteranomaly

11.5457, 0.3502, 0.3910

Tritanomaly

11.7274, 0.2833, 0.3490

Monochromacy



Original Color

11.7980, 0.3083, 0.4239

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.5875, 0.3112, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7980, 0.3083, 0.4239 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(69, 105, 69)` looks like.

```
.text, #text, p{  
  color:rgb(69, 105, 69)  
}
```

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(69, 105, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 105, 69) }
```

Border

The CSS property to change the border of an element to Yxy 11.7980, 0.3083, 0.4239 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(69, 105, 69) }
```

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

```
.border{ border-color:rgb(69, 105, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 105, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 105, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 105, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 105,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7980, 0.3083, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 105, 69) }
```

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

```
.background{ background-color: rgb(69, 105,  
69) }
```

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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