

Converting Colors

$Y_{xy}(11.8933, 0.3019, 0.4269)$

Have a look what the booklet for
Yxy(11.8933, 0.3019, 0.4269)
contains.

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Color

Yxy(11.8616, 0.3030, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	416A45
RGB	65, 106, 69
RGB Percent	25%, 42%, 27%
CMY	0.7452, 0.5843, 0.7294
CMYK	0.39, 0.00, 0.35, 0.58
HSL	126°, 24%, 34%
HSV	126°, 39%, 42%
XYZ	8.4072, 11.8616, 7.4777
YIQ	89.5230, -12.5590, -20.1990

Conversions

Conversions Part 2

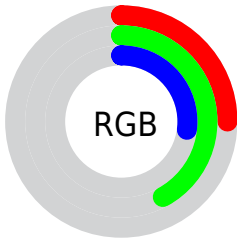
Format	Color
R _{YB}	65, 102, 106
Decimal	4287045
CIE Lab	41.00, -22.89, 16.36
CIE LCh	41, 28.139, 144.438
Yxy	11.8616, 0.3030, 0.4275
Android (android.graphics.Color)	4282477125 (0xFF416A45)
YUV	89.5230, -10.1178, -21.5067
Hunter-Lab	34.4407, -16.6983, 11.2356

Details

The Yxy color **11.8616, 0.3030, 0.4275** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.8012, 0.3241, 0.2472**, and the grayscale version is **10.1365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4066, 0.3066, 0.3995**, and **3.2155, 0.2920, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **11.4245, 0.3007, 0.4582**, and if you desaturate by 10%, it is **12.3868, 0.3055, 0.3984**.

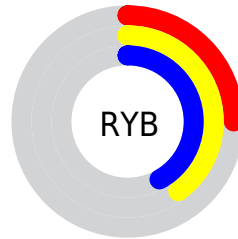
Distribution



Red (25%)

Green (42%)

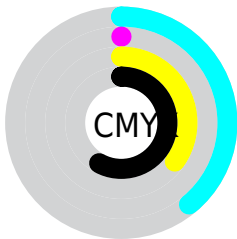
Blue (27%)



Red (25%)

Yellow (40%)

Blue (42%)

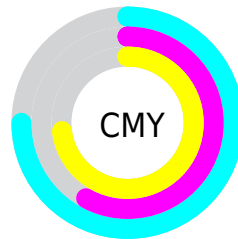


Cyan (39%)

Magenta (0%)

Yellow (35%)

Black (58%)



Cyan (75%)


Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8616, 0.3030, 0.4275 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 11.8616, 0.3030, 0.4275 by changing the saturation by 10% instead.


 11.8616, 0.3030,
0.4275


 11.8616, 0.3030,
0.4275


203.4869, 0.3104,
0.3646


 6.6495, 0.2992,
0.4511


 29.2428, 0.3067,
0.3999


 3.2439, 0.2921,
0.4891

 42.1807, 0.3077,
0.3911


 1.2603, 0.2933,
0.6179


 58.4626, 0.3085,
0.3843

 0.1102, 0.0000,
1.0000

 78.4730, 0.3091,
0.3788

 0.0000, 0.0000,
0.0000

 102.5962, 0.3095,
0.3743

 131.2167, 0.3098,

0.3706

164.7188, 0.3101,
0.3674

■ 11.8616, 0.3030,
0.4275

■ 11.8616, 0.3030,
0.4275

■ 11.4245, 0.3007,
0.4582

■ 12.3868, 0.3055,
0.3984

■ 11.0692, 0.2988,
0.4895

■ 13.0029, 0.3080,
0.3717

■ 10.7910, 0.2975,
0.5198


■ 13.7144, 0.3106,
0.3477

■ 10.5842, 0.2968,
0.5471


■ 14.5253, 0.3130,
0.3264

■ 10.4422, 0.2969,
0.5696


■ 15.4392, 0.3153,
0.3077


 10.3439, 0.2969,
0.5865

 16.4593, 0.3175,
0.2914

 10.3322, 0.2968,
0.5883

 17.5892, 0.3195,
0.2772

 18.8318, 0.3213,
0.2649

 20.1902, 0.3230,
0.2542

Harmonies

Analogous

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



11.8616, 0.3633, 0.4422



11.8616, 0.3030, 0.4275



11.8616, 0.2484, 0.3757

Triad

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



11.8616, 0.3030, 0.4275



11.8616, 0.2173, 0.2364



11.8616, 0.4230, 0.3305

Complementary

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



11.8616, 0.3030, 0.4275



7.8012, 0.3241, 0.2472

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.



11.8616, 0.3759, 0.2860



11.8616, 0.3030, 0.4275



11.8616, 0.2555, 0.2340

Square

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



11.8616, 0.3030, 0.4275



11.8616, 0.2027, 0.2622



11.8616, 0.3128, 0.2519



11.8616, 0.4361, 0.3781

Rectangle

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



11.8616, 0.3030, 0.4275



11.8616, 0.2221, 0.3325



11.8616, 0.3128, 0.2519



11.8616, 0.4104, 0.3150

Sweetspot

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



11.8621, 0.3030, 0.4275



23.5937, 0.3097, 0.3561



13.5499, 0.3619, 0.4208



5.5020, 0.3095, 0.3581



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.



11.8621, 0.3030, 0.4275



20.1489, 0.3010, 0.4538



12.1521, 0.2803, 0.3730



3.4492, 0.3105, 0.3483



12.8180, 0.2971, 0.5895



65.2500, 0.2985, 0.5946

Inverse Universe

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



7.8012, 0.3241, 0.2472



11.9749, 0.3272, 0.2300



7.4527, 0.3634, 0.2894



3.1590, 0.3150, 0.3104



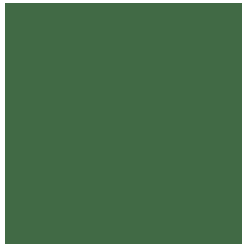
4.8387, 0.3462, 0.1681



24.5836, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 11.8616, 0.3030, 0.4275 looks on a white background.

Color Contrast Check

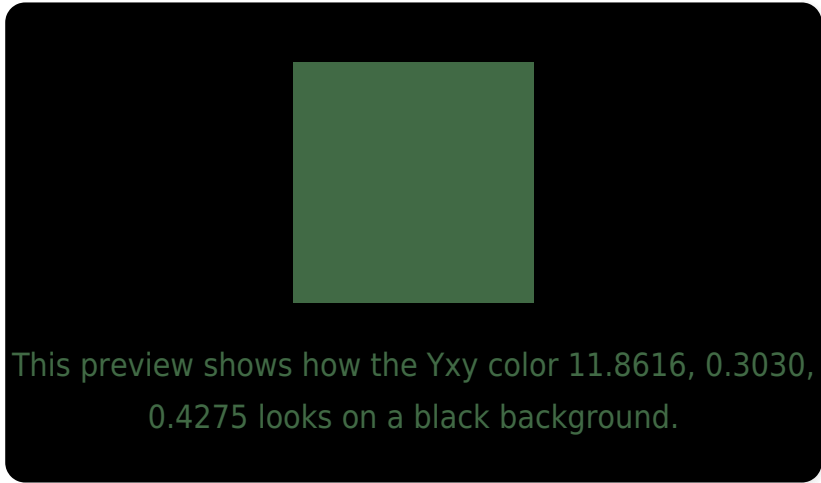
Large Text (above 18pt) WCAG AA ✓ Pass

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

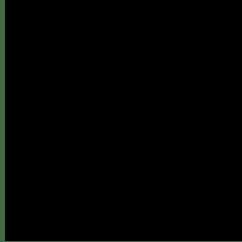
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8616, 0.3030, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 11.8616, 0.3030, 0.4275.



This preview shows how white text looks on a background with the Yxy color 11.8616, 0.3030, 0.4275.

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

11.8616, 0.3030, 0.4275

Protanopia

11.6905, 0.3712, 0.4001

Deuteranopia

11.6996, 0.3802, 0.3726



Tritanopia

11.8280, 0.2660, 0.3096

Trichromacy



Original Color

11.8616, 0.3030, 0.4275

Protanomaly

11.6813, 0.3444, 0.4123

Deuteranomaly

11.4911, 0.3486, 0.3913

Tritanomaly

11.8107, 0.2798, 0.3517

Monochromacy



Original Color

11.8616, 0.3030, 0.4275

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.7243, 0.3095, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8616, 0.3030, 0.4275 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(65, 106, 69)` looks like.

```
.text, #text, p{  
    color:rgb(65, 106, 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(65, 106, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 106, 69) }
```

Border

The CSS property to change the border of an element to Yxy 11.8616, 0.3030, 0.4275 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(65, 106, 69) }
```

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

```
.border{ border-color:rgb(65, 106, 69) }
```

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

Here you see how a box with a 4 pixel rgb(65, 106, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 106, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 106, 69);  
box-shadow:4px 4px 4px 4px rgb(65, 106,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8616, 0.3030, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 106, 69) }
```

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

```
.background{ background-color: rgb(65, 106,  
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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