

Converting Colors

$Y_{xy}(12.3549, 0.3067, 0.4055)$

Have a look what the booklet for
Yxy(12.3549, 0.3067, 0.4055)
contains.

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Color

Yxy(12.2857, 0.3065, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	4A6A4C
RGB	74, 106, 76
RGB Percent	29%, 42%, 30%
CMY	0.7097, 0.5843, 0.7019
CMYK	0.30, 0.00, 0.28, 0.58
HSL	124°, 18%, 35%
HSV	124°, 30%, 42%
XYZ	9.2839, 12.2857, 8.7205
YIQ	93.0120, -9.4420, -16.1140

Conversions

Conversions Part 2

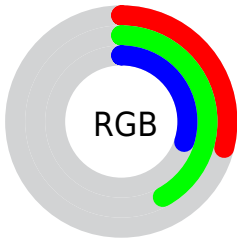
Format	Color
RYB	74, 104, 106
Decimal	4876876
CIELab	41.67, -18.29, 13.22
CIElCh	42, 22.568, 144.157
Yxy	12.2857, 0.3065, 0.4056
Android (android.graphics.Color)	4283066956 (0xFF4A6A4C)
YUV	93.0120, -8.3869, -16.6735
Hunter-Lab	35.0510, -14.0599, 9.7845

Details

The Yxy color **12.2857, 0.3065, 0.4056** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.9643, 0.3193, 0.2628**, and the grayscale version is **10.9722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8797, 0.3092, 0.3838**, and **3.3773, 0.2992, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **11.7724, 0.3044, 0.4361**, and if you desaturate by 10%, it is **12.8923, 0.3086, 0.3774**.

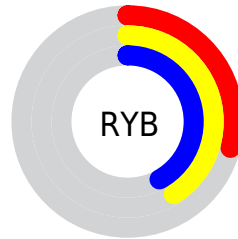
Distribution



Red (29%)

Green (42%)

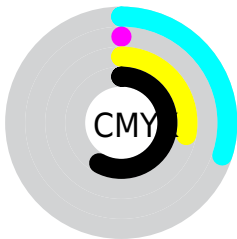
Blue (30%)



Red (29%)

Yellow (41%)

Blue (42%)

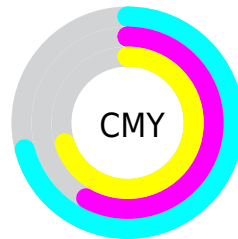


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2857, 0.3065, 0.4056 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 12.2857, 0.3065, 0.4056 by changing the saturation by 10% instead.

12.2857, 0.3065,
0.4056

12.2857, 0.3065,
0.4056

206.2876, 0.3112,
0.3573

6.9386, 0.3042,
0.4234

30.0144, 0.3088,
0.3846

3.4237, 0.2999,
0.4516

43.1647, 0.3095,
0.3779

1.3567, 0.2981,
0.5178

59.6849, 0.3099,
0.3726

0.1845, 0.0000,
1.0000

79.9594, 0.3103,
0.3683

0.0000, 0.0000,
0.0000

104.3725, 0.3106,
0.3648

133.3086, 0.3108,

0.3619

167.1522, 0.3110,
0.3594

■ 12.2857, 0.3065,
0.4056

■ 12.2857, 0.3065,
0.4056

■ 11.7724, 0.3044,
0.4361

■ 12.8923, 0.3086,
0.3774

■ 11.3464, 0.3024,
0.4681

■ 13.5949, 0.3107,
0.3519

■ 11.0032, 0.3007,
0.5002


■ 14.3980, 0.3127,
0.3294


■ 10.7375, 0.2994,
0.5305


■ 15.3052, 0.3145,
0.3095

■ 10.5432, 0.2987,
0.5570

■ 16.3203, 0.3162,
0.2923

 10.4134, 0.2985,
0.5777

 17.4464, 0.3177,
0.2773

 10.3220, 0.2979,
0.5926

 18.6870, 0.3191,
0.2643

 20.0450, 0.3204,
0.2531

 21.5234, 0.3216,
0.2433

Harmonies

Analogous

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



12.2857, 0.3548, 0.4182



12.2857, 0.3065, 0.4056



12.2857, 0.2620, 0.3662

Triad

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



12.2857, 0.3065, 0.4056



12.2857, 0.2352, 0.2545



12.2857, 0.3997, 0.3312

Complementary

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



12.2857, 0.3065, 0.4056



8.9643, 0.3193, 0.2628

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.



12.2857, 0.3626, 0.2943



12.2857, 0.3065, 0.4056



12.2857, 0.2667, 0.2515

Square

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



12.2857, 0.3065, 0.4056



12.2857, 0.2232, 0.2767



12.2857, 0.3129, 0.2660



12.2857, 0.4109, 0.3701

Rectangle

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



12.2857, 0.3065, 0.4056



12.2857, 0.2402, 0.3332



12.2857, 0.3129, 0.2660



12.2857, 0.3897, 0.3183

Sweetspot

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



12.2862, 0.3065, 0.4056



23.9824, 0.3109, 0.3497



13.7693, 0.3529, 0.4001



5.5837, 0.3107, 0.3524



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.



12.2862, 0.3065, 0.4056



20.9308, 0.3050, 0.4262



12.5302, 0.2880, 0.3647



3.4476, 0.3110, 0.3491



12.8086, 0.2982, 0.5933



65.2189, 0.2992, 0.5971

Inverse Universe

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



8.9643, 0.3193, 0.2628



14.1169, 0.3210, 0.2479



8.6759, 0.3471, 0.2960



3.1608, 0.3145, 0.3097



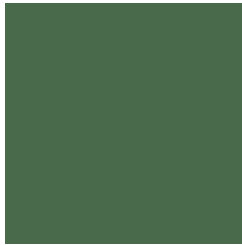
4.9289, 0.3365, 0.1627



25.0676, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 12.2857, 0.3065, 0.4056 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 12.2857, 0.3065, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

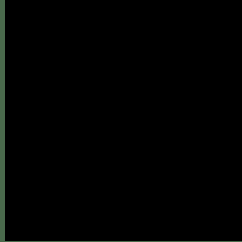
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.2857, 0.3065, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 12.2857, 0.3065, 0.4056.



This preview shows how white text looks on a background with the Yxy color 12.2857, 0.3065, 0.4056.

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

12.2857, 0.3065, 0.4056

Protanopia

12.2065, 0.3612, 0.3880

Deuteranopia

12.1473, 0.3678, 0.3616



Tritanopia

12.3340, 0.2734, 0.3102

Trichromacy



Original Color

12.2857, 0.3065, 0.4056

Protanomaly

12.1681, 0.3407, 0.3958

Deuteranomaly

11.9381, 0.3428, 0.3758

Tritanomaly

12.2020, 0.2850, 0.3411

Monochromacy



Original Color

12.2857, 0.3065, 0.4056

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4019, 0.3100, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2857, 0.3065, 0.4056 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(74, 106, 76)` looks like.

```
.text, #text, p{  
  color:rgb(74, 106, 76)  
}
```

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(74, 106, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 106, 76) }
```

Border

The CSS property to change the border of an element to Yxy 12.2857, 0.3065, 0.4056 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(74, 106, 76) }
```

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

```
.border{ border-color:rgb(74, 106, 76) }
```

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

Here you see how a box with a 4 pixel rgb(74, 106, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 106, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 106, 76);  
box-shadow:4px 4px 4px 4px rgb(74, 106,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2857, 0.3065, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 106, 76) }
```

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

```
.background{ background-color: rgb(74, 106,  
76) }
```

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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