

Converting Colors

$Y_{xy}(11.7355, 0.2999, 0.4017)$

Have a look what the booklet for
Yxy(11.7355, 0.2999, 0.4017)
contains.

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Color

Yxy(11.6876, 0.3000, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	45684C
RGB	69, 104, 76
RGB Percent	27%, 41%, 30%
CMY	0.7294, 0.5921, 0.7020
CMYK	0.34, 0.00, 0.27, 0.59
HSL	132°, 20%, 34%
HSV	132°, 34%, 41%
XYZ	8.7091, 11.6876, 8.6336
YIQ	90.3430, -11.8720, -16.1280

Conversions

Conversions Part 2

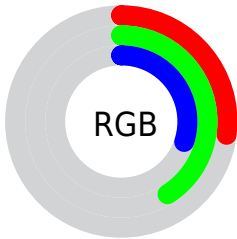
Format	Color
RYB	69, 98, 104
Decimal	4548684
CIELab	40.72, -19.05, 11.86
CIElCh	41, 22.440, 148.087
Yxy	11.6876, 0.3000, 0.4026
Android (android.graphics.Color)	4282738764 (0xFF45684C)
YUV	90.3430, -7.0711, -18.7178
Hunter-Lab	34.1871, -14.3550, 8.9579

Details

The Yxy color **11.6876, 0.3000, 0.4026** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0631, 0.3288, 0.2652**, and the grayscale version is **10.3240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7749, 0.3036, 0.3815**, and **3.2127, 0.2898, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **11.2321, 0.2967, 0.4292**, and if you desaturate by 10%, it is **12.2257, 0.3037, 0.3780**.

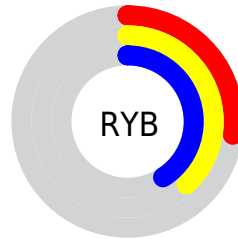
Distribution



 Red (27%)

 Green (41%)

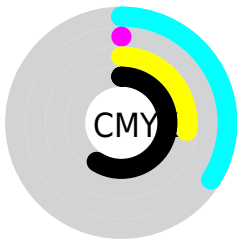
 Blue (30%)



 Red (27%)

 Yellow (38%)

 Blue (41%)

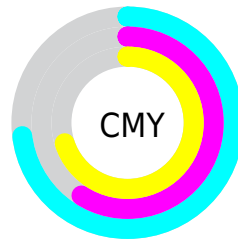


 Cyan (34%)


 Magenta (0%)

 Yellow (27%)

 Black (59%)



 Cyan (73%)

 Magenta (59%)

 Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6876, 0.3000, 0.4026 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 11.6876, 0.3000, 0.4026 by changing the saturation by 10% instead.


 11.6876, 0.3000,
0.4026

 11.6876, 0.3000,
0.4026


202.3260, 0.3086,
0.3559


 6.5313, 0.2963,
0.4201


 28.9248, 0.3040,
0.3821


 3.1708, 0.2899,
0.4482

 41.7746, 0.3052,
0.3756

 1.2215, 0.2824,
0.5206

 57.9576, 0.3061,
0.3706

 0.0792, 0.0000,
1.0000

 77.8584, 0.3068,
0.3665

 0.0000, 0.0000,
0.0000

 101.8612, 0.3074,
0.3631

130.3505, 0.3079,

0.3603

163.7106, 0.3083,
0.3579

■ 11.6876, 0.3000,
0.4026

■ 11.6876, 0.3000,
0.4026

■ 11.2321, 0.2967,
0.4292

■ 12.2257, 0.3037,
0.3780

■ 10.8538, 0.2939,
0.4571

■ 12.8488, 0.3075,
0.3557

■ 10.5486, 0.2918,
0.4855


■ 13.5608, 0.3113,
0.3357


■ 10.3118, 0.2908,
0.5131


■ 14.3652, 0.3151,
0.3180


■ 10.1379, 0.2909,
0.5385

■ 15.2650, 0.3187,
0.3025


 10.0185, 0.2920,
0.5604

 16.2632, 0.3221,
0.2889

 9.9543, 0.2923,
0.5724

 17.3628, 0.3254,
0.2770

 18.5665, 0.3284,
0.2667

 19.8769, 0.3312,
0.2576

Harmonies

Analogous

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



11.6876, 0.3491, 0.4193



11.6876, 0.3000, 0.4026



11.6876, 0.2565, 0.3602

Triad

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



11.6876, 0.3000, 0.4026



11.6876, 0.2375, 0.2522



11.6876, 0.4038, 0.3363

Complementary

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



11.6876, 0.3000, 0.4026



8.0631, 0.3288, 0.2652

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.



11.6876, 0.3691, 0.2984



11.6876, 0.3000, 0.4026



11.6876, 0.2717, 0.2518

Square

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



11.6876, 0.3000, 0.4026



11.6876, 0.2227, 0.2720



11.6876, 0.3195, 0.2684



11.6876, 0.4113, 0.3754

Rectangle

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



11.6876, 0.3000, 0.4026



11.6876, 0.2361, 0.3267



11.6876, 0.3195, 0.2684



11.6876, 0.3948, 0.3232

Sweetspot

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



11.6881, 0.3000, 0.4026



22.9446, 0.3088, 0.3487



12.9044, 0.3502, 0.4102



5.5673, 0.3084, 0.3508



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.



11.6881, 0.3000, 0.4026



19.8940, 0.2975, 0.4223



11.9552, 0.2801, 0.3571



3.1508, 0.3093, 0.3459



12.2661, 0.2928, 0.5741



63.8699, 0.2951, 0.5822

Inverse Universe

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



8.0631, 0.3288, 0.2652



12.5257, 0.3333, 0.2511



7.7803, 0.3616, 0.3029



2.8801, 0.3163, 0.3127



4.3975, 0.3762, 0.1846



22.8097, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 11.6876, 0.3000, 0.4026 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 11.6876, 0.3000, 0.4026 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 11.6876, 0.3000, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 11.6876, 0.3000, 0.4026.



This preview shows how white text looks on a background with the Yxy color 11.6876, 0.3000, 0.4026.

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

11.6876, 0.3000, 0.4026

Protanopia

11.6584, 0.3575, 0.3848

Deuteranopia

11.5983, 0.3639, 0.3579



Tritanopia

11.6929, 0.2692, 0.3096

Trichromacy



Original Color

11.6876, 0.3000, 0.4026

Protanomaly

11.5784, 0.3352, 0.3928

Deuteranomaly

11.4026, 0.3388, 0.3721

Tritanomaly

11.5684, 0.2808, 0.3415

Monochromacy



Original Color

11.6876, 0.3000, 0.4026

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6341, 0.3070, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6876, 0.3000, 0.4026 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, 104, 76)` looks like.

```
.text, #text, p{  
    color:rgb(69, 104, 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(69, 104, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 104, 76) }
```

Border

The CSS property to change the border of an element to Yxy 11.6876, 0.3000, 0.4026 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, 104, 76) }
```

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

```
.border{ border-color:rgb(69, 104, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 104, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 104, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 104, 76);  
box-shadow:4px 4px 4px 4px rgb(69, 104,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6876, 0.3000, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 104, 76) }
```

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

```
.background{ background-color: rgb(69, 104,  
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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