

Converting Colors

$Y_{xy}(16.2951, 0.2902, 0.4245)$

Have a look what the booklet for
Yxy(16.2951, 0.2902, 0.4245)
contains.

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Color

Yxy(16.2487, 0.2903, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	437C54
RGB	67, 124, 84
RGB Percent	26%, 49%, 33%
CMY	0.7373, 0.5137, 0.6705
CMYK	0.46, 0.00, 0.32, 0.51
HSL	138°, 30%, 37%
HSV	138°, 46%, 49%
XYZ	11.1224, 16.2487, 10.9423
YIQ	102.3970, -21.1320, -24.5240

Conversions

Conversions Part 2

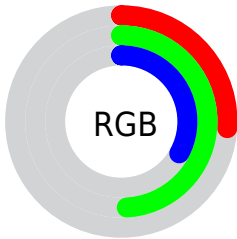
Format	Color
RYB	67, 111, 124
Decimal	4422740
CIELab	47.30, -28.28, 16.15
CIELCh	47, 32.566, 150.267
Yxy	16.2487, 0.2903, 0.4241
Android (android.graphics.Color)	4282612820 (0xFF437C54)
YUV	102.3970, -9.0697, -31.0432
Hunter-Lab	40.3097, -21.2897, 12.1222

Details

The Yxy color **16.2487, 0.2903, 0.4241** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3582, 0.3473, 0.2505**, and the grayscale version is **13.4245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0171, 0.2964, 0.3990**, and **5.2720, 0.2757, 0.4745** is the 20% darker color. If you saturate the color by 10%, you get **15.7292, 0.2870, 0.4495**, and if you desaturate by 10%, it is **16.8803, 0.2945, 0.4000**.

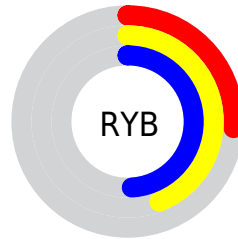
Distribution



Red (26%)

Green (49%)

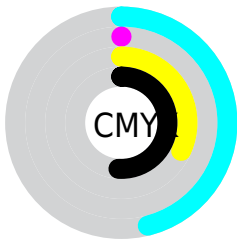
Blue (33%)



Red (26%)

Yellow (44%)

Blue (49%)

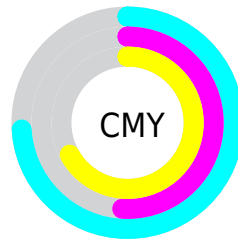


Cyan (46%)

Magenta (0%)

Yellow (32%)

Black (51%)



Cyan (74%)


Magenta (51%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2487, 0.2903, 0.4241 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 16.2487, 0.2903, 0.4241 by changing the saturation by 10% instead.


 16.2487, 0.2903,
0.4241


 16.2487, 0.2903,
0.4241


230.8048, 0.3048,
0.3657


 9.7003, 0.2848,
0.4443


 37.0294, 0.2967,
0.3993


 5.2007, 0.2759,
0.4752


 52.0305, 0.2988,
0.3912

 2.3655, 0.2595,
0.5274

 70.6180, 0.3003,
0.3847

 0.8081, 0.0877,
0.9123

 93.1763, 0.3016,
0.3795

 0.0000, 0.0000,
0.0000

 120.0897, 0.3026,
0.3751

151.7427, 0.3035,

0.3715

188.5196, 0.3042,
0.3684

■ 16.2487, 0.2903,
0.4241

■ 16.2487, 0.2903,
0.4241

■ 15.7292, 0.2870,
0.4495

■ 16.8803, 0.2945,
0.4000

■ 15.3132, 0.2848,
0.4754

■ 17.6281, 0.2992,
0.3776

■ 14.9939, 0.2839,
0.5009


■ 18.4984, 0.3043,
0.3573

■ 14.7628, 0.2846,
0.5248


■ 19.4965, 0.3096,
0.3390

■ 14.6054, 0.2866,
0.5462


■ 20.6274, 0.3148,
0.3227

 14.5502, 0.2872,
0.5541

 21.8957, 0.3199,
0.3084

 23.3059, 0.3248,
0.2958

 24.8623, 0.3295,
0.2848

 26.5689, 0.3340,
0.2752

Harmonies

Analogous

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



16.2487, 0.3531, 0.4476



16.2487, 0.2903, 0.4241



16.2487, 0.2367, 0.3646

Triad

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



16.2487, 0.2903, 0.4241



16.2487, 0.2196, 0.2307



16.2487, 0.4334, 0.3397

Complementary

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



16.2487, 0.2903, 0.4241



9.3582, 0.3473, 0.2505

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.



16.2487, 0.3901, 0.2926



16.2487, 0.2903, 0.4241



16.2487, 0.2635, 0.2326

Square

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



16.2487, 0.2903, 0.4241



16.2487, 0.1996, 0.2522



16.2487, 0.3255, 0.2548



16.2487, 0.4391, 0.3888

Rectangle

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



16.2487, 0.2903, 0.4241



16.2487, 0.2128, 0.3197



16.2487, 0.3255, 0.2548



16.2487, 0.4227, 0.3234

Sweetspot

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



16.2494, 0.2903, 0.4241



32.8251, 0.3052, 0.3541



17.9999, 0.3560, 0.4454



7.6599, 0.3043, 0.3576



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2494, 0.2903, 0.4241



27.6517, 0.2869, 0.4503



16.7709, 0.2644, 0.3568



4.4679, 0.3080, 0.3444



14.7903, 0.2873, 0.5542



70.4180, 0.2897, 0.5630

Inverse Universe

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



9.3582, 0.3473, 0.2505



13.9414, 0.3581, 0.2346



8.8669, 0.4026, 0.3040



4.0581, 0.3178, 0.3141



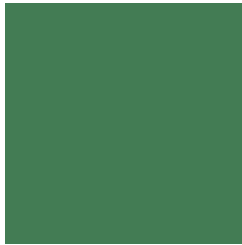
5.0543, 0.4105, 0.2035



23.9539, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 16.2487, 0.2903, 0.4241 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 16.2487, 0.2903, 0.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

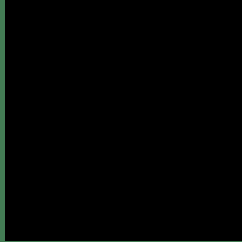
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2487, 0.2903, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 16.2487, 0.2903, 0.4241.



This preview shows how white text looks on a background with the Yxy color 16.2487, 0.2903, 0.4241.

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

16.2487, 0.2903, 0.4241

Protanopia

16.1459, 0.3662, 0.3955

Deuteranopia

15.9658, 0.3717, 0.3658



Tritanopia

16.0932, 0.2566, 0.3074

Trichromacy



Original Color

16.2487, 0.2903, 0.4241

Protanomaly

15.8516, 0.3349, 0.4054

Deuteranomaly

15.6242, 0.3370, 0.3846

Tritanomaly

16.0193, 0.2683, 0.3469

Monochromacy



Original Color

16.2487, 0.2903, 0.4241

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1019, 0.3032, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2487, 0.2903, 0.4241 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(67, 124, 84)` looks like.

```
.text, #text, p{  
  color:rgb(67, 124, 84)  
}
```

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(67, 124, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 124, 84) }
```

Border

The CSS property to change the border of an element to Yxy 16.2487, 0.2903, 0.4241 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(67, 124, 84) }
```

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

```
.border{ border-color:rgb(67, 124, 84) }
```

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

Here you see how a box with a 4 pixel rgb(67, 124, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 124, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 124, 84);  
box-shadow:4px 4px 4px 4px rgb(67, 124,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2487, 0.2903, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 124, 84) }
```

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

```
.background{ background-color: rgb(67, 124,  
84) }
```

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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