

Converting Colors

$Y_{xy}(16.2759, 0.3436, 0.4123)$

Have a look what the booklet for
Yxy(16.2759, 0.3436, 0.4123)
contains.

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Color

Yxy(16.2759, 0.3436, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	69754E
RGB	105, 117, 78
RGB Percent	41%, 46%, 31%
CMY	0.5882, 0.5412, 0.6941
CMYK	0.10, 0.00, 0.33, 0.54
HSL	78°, 20%, 38%
HSV	78°, 33%, 46%
XYZ	13.5639, 16.2759, 9.6361
YIQ	108.9660, 5.3670, -14.6730

Conversions

Conversions Part 2

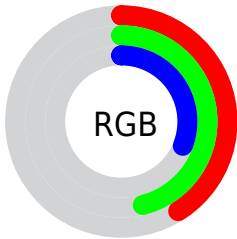
Format	Color
R _Y B	78, 117, 90
Decimal	6911310
CIE Lab	47.33, -11.71, 20.07
CIE LCh	47, 23.234, 120.252
Yxy	16.2759, 0.3436, 0.4123
Android (android.graphics.Color)	4285101390 (0xFF69754E)
YUV	108.9660, -15.2662, -3.4782
Hunter-Lab	40.3434, -10.5872, 14.0789

Details

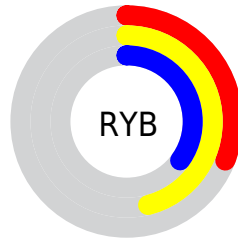
The Yxy color **16.2759, 0.3436, 0.4123** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.9077, 0.2738, 0.2403**, and the grayscale version is **15.3270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0763, 0.3376, 0.3921**, and **5.2359, 0.3538, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **15.9103, 0.3519, 0.4386**, and if you desaturate by 10%, it is **16.6820, 0.3346, 0.3861**.

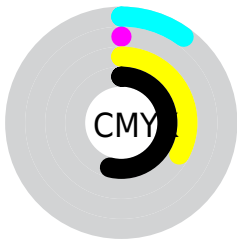
Distribution



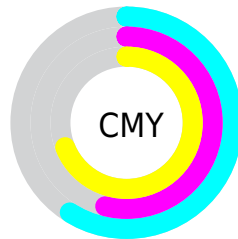
- Red (41%)
- Green (46%)
- Blue (31%)



- Red (31%)
- Yellow (46%)
- Blue (35%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (54%)





- Cyan (59%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2759, 0.3436, 0.4123 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 16.2759, 0.3436, 0.4123 by changing the saturation by 10% instead.


 16.2759, 0.3436,
0.4123


 16.2759, 0.3436,
0.4123


230.9643, 0.3264,
0.3623


 9.7196, 0.3483,
0.4287


 37.0765, 0.3370,
0.3916


 5.2134, 0.3544,
0.4528

 52.0896, 0.3346,
0.3846


 2.3730, 0.3636,
0.4936

 70.6905, 0.3326,
0.3790

 0.8120, 0.3744,
0.6256

 93.2634, 0.3310,
0.3745

 0.0000, 0.0000,
0.0000

 120.1929, 0.3296,
0.3707

151.8632, 0.3283,

0.3675

188.6589, 0.3273,
0.3647

■ 16.2759, 0.3436,
0.4123

■ 16.2759, 0.3436,
0.4123

■ 15.9103, 0.3519,
0.4386

■ 16.6820, 0.3346,
0.3861

■ 15.5813, 0.3591,
0.4640

■ 17.1281, 0.3252,
0.3608

■ 15.2878, 0.3648,
0.4877

■ 17.6163, 0.3158,
0.3367

■ 15.0279, 0.3685,
0.5085

■ 18.1481, 0.3066,
0.3142

■ 14.7991, 0.3699,
0.5255

■ 18.7246, 0.2978,
0.2934

■ 14.5986, 0.3691,
0.5382

■ 19.3473, 0.2895,
0.2743

■ 14.4735, 0.3681,
0.5459

■ 20.0173, 0.2816,
0.2571

■ 20.7358, 0.2744,
0.2414

■ 21.5039, 0.2676,
0.2273

Harmonies

Analogous

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



16.2759, 0.3827, 0.4031



16.2759, 0.3436, 0.4123



16.2759, 0.2979, 0.3946

Triad

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



16.2759, 0.3436, 0.4123



16.2759, 0.2291, 0.2743



16.2759, 0.3680, 0.3030

Complementary

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



16.2759, 0.3436, 0.4123



8.9077, 0.2738, 0.2403

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.



16.2759, 0.3226, 0.2741



16.2759, 0.3436, 0.4123



16.2759, 0.2444, 0.2568

Square

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



16.2759, 0.3436, 0.4123



16.2759, 0.2337, 0.3092



16.2759, 0.2775, 0.2574



16.2759, 0.3985, 0.3389

Rectangle

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



16.2759, 0.3436, 0.4123



16.2759, 0.2701, 0.3695



16.2759, 0.2775, 0.2574



16.2759, 0.3538, 0.2923

Sweetspot

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



16.2766, 0.3436, 0.4123



30.9325, 0.3223, 0.3532



11.5949, 0.3771, 0.3542



7.0903, 0.3233, 0.3559



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.2766, 0.3436, 0.4123



28.6360, 0.3501, 0.4326



15.2416, 0.3180, 0.4194



4.2125, 0.3211, 0.3503



15.9389, 0.3679, 0.5461



77.2059, 0.3651, 0.5483

Inverse Universe

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



8.9077, 0.2738, 0.2403



13.2736, 0.2625, 0.2169



9.9984, 0.3038, 0.2476



3.6394, 0.3038, 0.3074



1.8198, 0.1742, 0.0734



8.4649, 0.1695, 0.0707

Previews

White Background



This preview shows how the Yxy color 16.2759, 0.3436, 0.4123 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 16.2759, 0.3436, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

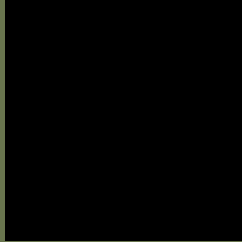
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

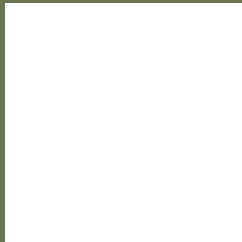
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2759, 0.3436, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 16.2759, 0.3436, 0.4123.



This preview shows how white text looks on a background with the Yxy color 16.2759, 0.3436, 0.4123.

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

16.2759, 0.3436, 0.4123

Protanopia

16.1751, 0.3715, 0.4011

Deuteranopia

16.0811, 0.3873, 0.3803



Tritanopia

16.3483, 0.3006, 0.3110

Trichromacy



Original Color

16.2759, 0.3436, 0.4123

Protanomaly

16.2153, 0.3604, 0.4050

Deuteranomaly

16.1443, 0.3712, 0.3926

Tritanomaly

16.3058, 0.3171, 0.3476

Monochromacy



Original Color

16.2759, 0.3436, 0.4123

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.6583, 0.3248, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2759, 0.3436, 0.4123 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(105, 117, 78)` looks like.

```
.text, #text, p{  
    color:rgb(105, 117, 78)  
}
```

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(105, 117, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 117, 78) }
```

Border

The CSS property to change the border of an element to Yxy 16.2759, 0.3436, 0.4123 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(105, 117, 78) }
```

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

```
.border{ border-color:rgb(105, 117, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 117, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 117, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 117, 78);  
box-shadow:4px 4px 4px 4px rgb(105, 117,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2759, 0.3436, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 117, 78) }
```

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

```
.background{ background-color: rgb(105,  
117, 78) }
```

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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