

Converting Colors

$Yxy(15.9166, 0.3149, 0.4044)$

Have a look what the booklet for
Yxy(15.9166, 0.3149, 0.4044)
contains.

Yxy(16.0232, 0.3152, 0.4056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.0232, 0.3152, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	5A7755
RGB	90, 119, 85
RGB Percent	35%, 47%, 33%
CMY	0.6471, 0.5333, 0.6667
CMYK	0.24, 0.00, 0.29, 0.53
HSL	111°, 17%, 40%
HSV	111°, 29%, 47%
XYZ	12.4520, 16.0232, 11.0298
YIQ	106.4530, -6.3700, -16.7220

Conversions

Conversions Part 2

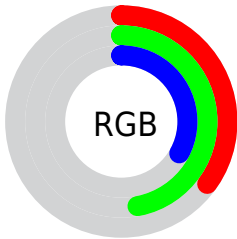
Format	Color
R_{YB}	85, 119, 114
Decimal	5928789
CIE _{Lab}	47.00, -17.63, 15.40
CIE _{LCh}	47, 23.407, 138.868
Yxy	16.0232, 0.3152, 0.4056
Android (android.graphics.Color)	4284118869 (0xFF5A7755)
YUV	106.4530, -10.5763, -14.4293
Hunter-Lab	40.0290, -14.5241, 11.6832

Details

The Yxy color **16.0232, 0.3152, 0.4056** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.4067, 0.3082, 0.2600**, and the grayscale version is **14.5746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5378, 0.3154, 0.3852**, and **5.0471, 0.3128, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **15.3756, 0.3155, 0.4371**, and if you desaturate by 10%, it is **16.7736, 0.3145, 0.3763**.

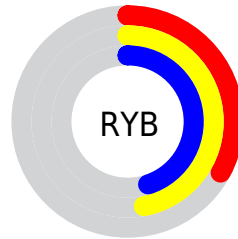
Distribution



Red (35%)

Green (47%)

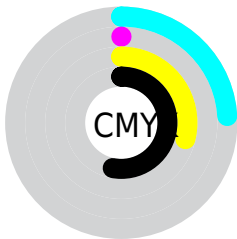
Blue (33%)



Red (33%)

Yellow (47%)

Blue (45%)

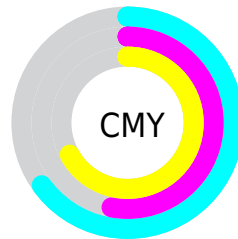


Cyan (24%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (65%)


Magenta (53%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0232, 0.3152, 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 16.0232, 0.3152, 0.4056 by changing the saturation by 10% instead.


 16.0232, 0.3152,
0.4056


 16.0232, 0.3152,
0.4056


229.4786, 0.3146,
0.3590


 9.5406, 0.3148,
0.4214


 36.6385, 0.3153,
0.3860


 5.0954, 0.3136,
0.4453

 51.5399, 0.3152,
0.3795


 2.3034, 0.3100,
0.4850

 70.0164, 0.3151,
0.3744

 0.7755, 0.2834,
0.7166

 92.4524, 0.3150,
0.3702

 0.0000, 0.0000,
0.0000

 119.2322, 0.3149,
0.3667

150.7402, 0.3148,

0.3637

187.3609, 0.3147,
0.3612

■ 16.0232, 0.3152,
0.4056

■ 16.0232, 0.3152,
0.4056

■ 15.3756, 0.3155,
0.4371

■ 16.7736, 0.3145,
0.3763

■ 14.8243, 0.3153,
0.4698

■ 17.6287, 0.3136,
0.3496

■ 14.3652, 0.3145,
0.5024

■ 18.5933, 0.3126,
0.3258

■ 13.9934, 0.3130,
0.5328

■ 19.6710, 0.3114,
0.3047

■ 13.7030, 0.3109,
0.5589

■ 20.8653, 0.3102,
0.2862

■ 13.4878, 0.3083,
0.5790

■ 22.1795, 0.3090,
0.2701

■ 13.3363, 0.3059,
0.5935

■ 23.6170, 0.3078,
0.2559

■ 13.3185, 0.3057,
0.5955

■ 25.1808, 0.3067,
0.2436

■ 26.8739, 0.3056,
0.2329

Harmonies

Analogous

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



16.0232, 0.3604, 0.4128



16.0232, 0.3152, 0.4056



16.0232, 0.2713, 0.3721

Triad

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



16.0232, 0.3152, 0.4056



16.0232, 0.2354, 0.2604



16.0232, 0.3905, 0.3248

Complementary

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



16.0232, 0.3152, 0.4056



11.4067, 0.3082, 0.2600

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.



16.0232, 0.3522, 0.2904



16.0232, 0.3152, 0.4056



16.0232, 0.2625, 0.2543

Square

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



16.0232, 0.3152, 0.4056



16.0232, 0.2275, 0.2851



16.0232, 0.3046, 0.2654



16.0232, 0.4061, 0.3621

Rectangle

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



16.0232, 0.3152, 0.4056



16.0232, 0.2485, 0.3414



16.0232, 0.3046, 0.2654



16.0232, 0.3797, 0.3127

Sweetspot

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



16.0239, 0.3152, 0.4056



31.4595, 0.3137, 0.3513



16.5912, 0.3561, 0.3873



7.4094, 0.3138, 0.3544



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.0239, 0.3152, 0.4056



27.9411, 0.3154, 0.4252



15.9873, 0.2962, 0.3789



4.1216, 0.3137, 0.3507



14.1458, 0.3056, 0.5956



68.6966, 0.3035, 0.5972

Inverse Universe

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



11.4067, 0.3082, 0.2600



18.2947, 0.3068, 0.2445



11.4824, 0.3342, 0.2839



3.7320, 0.3116, 0.3079



4.3840, 0.2854, 0.1346



21.0742, 0.2834, 0.1335

Previews

White Background



This preview shows how the Yxy color 16.0232, 0.3152, 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 16.0232, 0.3152, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

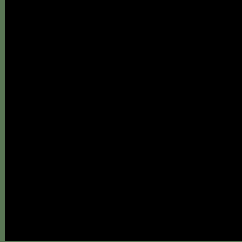
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0232, 0.3152, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 16.0232, 0.3152, 0.4056.



This preview shows how white text looks on a background with the Yxy color 16.0232, 0.3152, 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

16.0232, 0.3152, 0.4056

Protanopia

15.8849, 0.3628, 0.3900

Deuteranopia

15.9658, 0.3717, 0.3658



Tritanopia

15.9515, 0.2803, 0.3102

Trichromacy



Original Color

16.0232, 0.3152, 0.4056

Protanomaly

15.8320, 0.3442, 0.3971

Deuteranomaly

15.7018, 0.3491, 0.3787

Tritanomaly

15.9746, 0.2934, 0.3441

Monochromacy



Original Color

16.0232, 0.3152, 0.4056

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9600, 0.3141, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0232, 0.3152, 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(90, 119, 85)` looks like.

```
.text, #text, p{  
    color:rgb(90, 119, 85)  
}
```

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(90, 119, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 119, 85) }
```

Border

The CSS property to change the border of an element to Yxy 16.0232, 0.3152, 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(90, 119, 85) }
```

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

```
.border{ border-color:rgb(90, 119, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 119, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 119, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 119, 85);  
box-shadow:4px 4px 4px 4px rgb(90, 119,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0232, 0.3152, 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(90, 119, 85) }
```

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

```
.background{ background-color: rgb(90, 119,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor