

Converting Colors

$Y_{xy}(15.5478, 0.3197, 0.4237)$

Have a look what the booklet for
Yxy(15.5478, 0.3197, 0.4237)
contains.

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Color

$\text{Yxy}(15.5189, 0.3204, 0.4233)$

Conversions

Conversions Part 1

Format	Color
Hex	57764D
RGB	87, 118, 77
RGB Percent	34%, 46%, 30%
CMY	0.6589, 0.5372, 0.6981
CMYK	0.26, 0.00, 0.35, 0.54
HSL	105°, 21%, 38%
HSV	105°, 35%, 46%
XYZ	11.7464, 15.5189, 9.3964
YIQ	104.0570, -5.3150, -19.3230

Conversions

Conversions Part 2

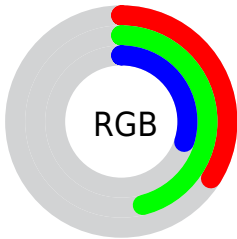
Format	Color
RYB	77, 118, 108
Decimal	5731917
CIELab	46.34, -19.64, 19.10
CIELCh	46, 27.393, 135.806
Yxy	15.5189, 0.3204, 0.4233
Android (android.graphics.Color)	4283921997 (0xFF57764D)
YUV	104.0570, -13.3391, -14.9590
Hunter-Lab	39.3940, -15.7149, 13.4338

Details

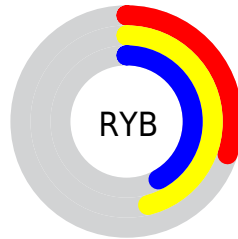
The Yxy color **15.5189, 0.3204, 0.4233** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.8053, 0.3004, 0.2432**, and the grayscale version is **13.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6591, 0.3202, 0.3989**, and **4.8116, 0.3200, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **14.9643, 0.3216, 0.4547**, and if you desaturate by 10%, it is **16.1582, 0.3186, 0.3933**.

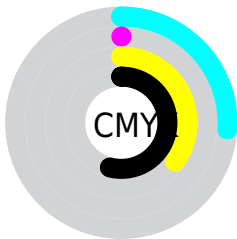
Distribution



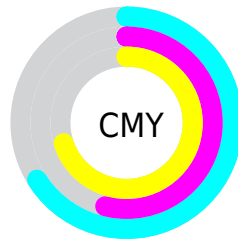
- Red (34%)
- Green (46%)
- Blue (30%)



- Red (30%)
- Yellow (46%)
- Blue (42%)



- Cyan (26%)
- Magenta (0%)
- Yellow (35%)
- Black (54%)





- Cyan (66%)
- Magenta (54%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5189, 0.3204, 0.4233 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 15.5189, 0.3204, 0.4233 by changing the saturation by 10% instead.


 15.5189, 0.3204,
0.4233

 15.5189, 0.3204,
0.4233


226.4859, 0.3172,
0.3655


 9.1844, 0.3205,
0.4431


 35.7609, 0.3196,
0.3989


 4.8616, 0.3195,
0.4731

 50.4373, 0.3191,
0.3908

 2.1663, 0.3179,
0.5276

 68.6629, 0.3187,
0.3844

 0.7015, 0.2108,
0.7892

 90.8224, 0.3183,
0.3792

 0.0000, 0.0000,
0.0000

 117.3000, 0.3180,
0.3749

148.4802, 0.3177,

0.3713

184.7474, 0.3174,
0.3682

■ 15.5189, 0.3204,
0.4233

■ 15.5189, 0.3204,
0.4233

■ 14.9643, 0.3216,
0.4547

■ 16.1582, 0.3186,
0.3933

■ 14.4889, 0.3220,
0.4864

■ 16.8837, 0.3164,
0.3655

■ 14.0895, 0.3215,
0.5168


■ 17.6991, 0.3139,
0.3401


■ 13.7620, 0.3198,
0.5440


■ 18.6074, 0.3114,
0.3174


■ 13.5016, 0.3170,
0.5664


■ 19.6115, 0.3088,
0.2972


 13.3023, 0.3134,
0.5828

 20.7142, 0.3063,
0.2793

 13.2159, 0.3118,
0.5906

 21.9180, 0.3039,
0.2636

 23.2254, 0.3016,
0.2497

 24.6389, 0.2994,
0.2375

Harmonies

Analogous

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



15.5189, 0.3730, 0.4271



15.5189, 0.3204, 0.4233



15.5189, 0.2683, 0.3857

Triad

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



15.5189, 0.3204, 0.4233



15.5189, 0.2206, 0.2505



15.5189, 0.4013, 0.3189

Complementary

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



15.5189, 0.3204, 0.4233



9.8053, 0.3004, 0.2432

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.



15.5189, 0.3535, 0.2803



15.5189, 0.3204, 0.4233



15.5189, 0.2496, 0.2419

Square

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



15.5189, 0.3204, 0.4233



15.5189, 0.2138, 0.2806



15.5189, 0.2971, 0.2530



15.5189, 0.4228, 0.3620

Rectangle

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



15.5189, 0.3204, 0.4233



15.5189, 0.2407, 0.3491



15.5189, 0.2971, 0.2530



15.5189, 0.3876, 0.3052

Sweetspot

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



15.5196, 0.3204, 0.4233



30.3086, 0.3153, 0.3537



15.0614, 0.3685, 0.3923



6.9327, 0.3156, 0.3566



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.



15.5196, 0.3204, 0.4233



26.4649, 0.3215, 0.4493



15.2286, 0.2973, 0.4017



4.1373, 0.3150, 0.3507



14.2902, 0.3116, 0.5908



69.2948, 0.3087, 0.5931

Inverse Universe

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



9.8053, 0.3004, 0.2432



14.7508, 0.2965, 0.2222



10.2367, 0.3332, 0.2661



3.7152, 0.3102, 0.3078



3.7225, 0.2621, 0.1218



17.7276, 0.2589, 0.1200

Previews

White Background



This preview shows how the Yxy color 15.5189, 0.3204, 0.4233 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 15.5189, 0.3204, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

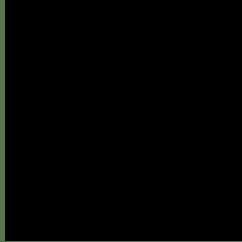
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5189, 0.3204, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 15.5189, 0.3204, 0.4233.



This preview shows how white text looks on a background with the Yxy color 15.5189, 0.3204, 0.4233.

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

15.5189, 0.3204, 0.4233

Protanopia

15.3403, 0.3745, 0.4023

Deuteranopia

15.4282, 0.3842, 0.3775



Tritanopia

15.5704, 0.2800, 0.3120

Trichromacy



Original Color

15.5189, 0.3204, 0.4233

Protanomaly

15.2086, 0.3536, 0.4108

Deuteranomaly

15.2938, 0.3586, 0.3938

Tritanomaly

15.5055, 0.2942, 0.3510

Monochromacy



Original Color

15.5189, 0.3204, 0.4233

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.3421, 0.3166, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5189, 0.3204, 0.4233 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(87, 118, 77)` looks like.

```
.text, #text, p{  
  color:rgb(87, 118, 77)  
}
```

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(87, 118, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 118, 77) }
```

Border

The CSS property to change the border of an element to Yxy 15.5189, 0.3204, 0.4233 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(87, 118, 77) }
```

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

```
.border{ border-color:rgb(87, 118, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 118, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 118, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 118, 77);  
box-shadow:4px 4px 4px 4px rgb(87, 118,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5189, 0.3204, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 118, 77) }
```

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

```
.background{ background-color: rgb(87, 118,  
77) }
```

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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