

Converting Colors

$Y_{xy}(19.4820, 0.3362, 0.4054)$

Have a look what the booklet for
Yxy(19.4820, 0.3362, 0.4054)
contains.

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Color

$\text{Yxy}(19.6044, 0.3363, 0.4068)$

Conversions

Conversions Part 1

Format	Color
Hex	708059
RGB	112, 128, 89
RGB Percent	44%, 50%, 35%
CMY	0.5607, 0.4981, 0.6510
CMYK	0.12, 0.00, 0.30, 0.50
HSL	85°, 18%, 43%
HSV	85°, 30%, 50%
XYZ	16.2069, 19.6044, 12.3805
YIQ	118.7700, 2.9830, -15.5210

Conversions

Conversions Part 2

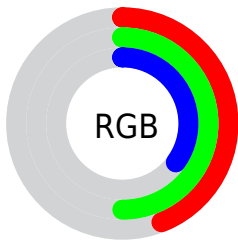
Format	Color
R_{YB}	89, 128, 105
Decimal	7372889
CIE _{Lab}	51.39, -13.20, 19.29
CIE _{LCh}	51, 23.375, 124.379
Yxy	19.6044, 0.3363, 0.4068
Android (android.graphics.Color)	4285562969 (0xFF708059)
YUV	118.7700, -14.6766, -5.9373
Hunter-Lab	44.2769, -12.1472, 14.4154

Details

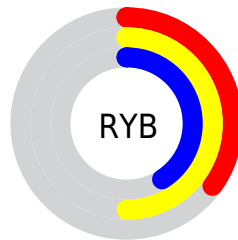
The Yxy color **19.6044, 0.3363, 0.4068** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7043, 0.2829, 0.2492**, and the grayscale version is **18.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8043, 0.3316, 0.3889**, and **6.8564, 0.3443, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **19.0746, 0.3432, 0.4345**, and if you desaturate by 10%, it is **20.1933, 0.3288, 0.3798**.

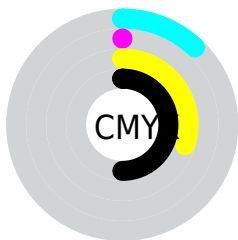
Distribution



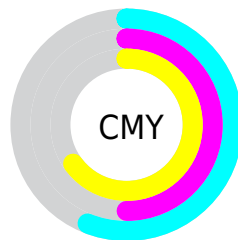
- Red (44%)
- Green (50%)
- Blue (35%)



- Red (35%)
- Yellow (50%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (50%)





- Cyan (56%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6044, 0.3363, 0.4068 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 19.6044, 0.3363, 0.4068 by changing the saturation by 10% instead.


 19.6044, 0.3363,
0.4068


 19.6044, 0.3363,
0.4068


249.7654, 0.3236,
0.3612


 12.1078, 0.3396,
0.4212


 42.7529, 0.3315,
0.3882

 6.8171, 0.3437,
0.4419


 59.1737, 0.3298,
0.3819

 3.3480, 0.3486,
0.4739

 79.3379, 0.3283,
0.3768

 1.3160, 0.3955,
0.5938

 103.6300, 0.3271,
0.3725

 0.1535, 0.0000,
1.0000

 132.4344, 0.3260,
0.3690

 0.0000, 0.0000,
0.0000

166.1355, 0.3251,

0.3660

205.1177, 0.3243,
0.3634

■ 19.6044, 0.3363,
0.4068

■ 19.6044, 0.3363,
0.4068

■ 19.0746, 0.3432,
0.4345

■ 20.1933, 0.3288,
0.3798

■ 18.5991, 0.3491,
0.4619

■ 20.8410, 0.3209,
0.3541

■ 18.1762, 0.3535,
0.4881


■ 21.5501, 0.3131,
0.3301

■ 17.8034, 0.3560,
0.5117


■ 22.3228, 0.3054,
0.3079


■ 17.4776, 0.3564,
0.5317


■ 23.1606, 0.2980,
0.2877


 17.1953, 0.3546,
0.5472

 24.0654, 0.2910,
0.2695

 16.9569, 0.3516,
0.5590

 25.0389, 0.2845,
0.2530

 26.0826, 0.2784,
0.2382

 27.1980, 0.2727,
0.2249

Harmonies

Analogous

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



19.6044, 0.3748, 0.4017



19.6044, 0.3363, 0.4068



19.6044, 0.2931, 0.3866

Triad

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



19.6044, 0.3363, 0.4068



19.6044, 0.2341, 0.2740



19.6044, 0.3701, 0.3089

Complementary

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



19.6044, 0.3363, 0.4068



11.7043, 0.2829, 0.2492

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.



19.6044, 0.3284, 0.2800



19.6044, 0.3363, 0.4068



19.6044, 0.2513, 0.2596

Square

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



19.6044, 0.3363, 0.4068



19.6044, 0.2360, 0.3052



19.6044, 0.2849, 0.2623



19.6044, 0.3960, 0.3435

Rectangle

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



19.6044, 0.3363, 0.4068



19.6044, 0.2675, 0.3616



19.6044, 0.2849, 0.2623



19.6044, 0.3573, 0.2983

Sweetspot

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



19.6053, 0.3363, 0.4068



36.8472, 0.3199, 0.3510



15.3316, 0.3687, 0.3597



8.5917, 0.3209, 0.3541



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.6053, 0.3363, 0.4068



33.8206, 0.3415, 0.4272



18.4806, 0.3132, 0.4127



4.9344, 0.3199, 0.3507



16.8157, 0.3516, 0.5590



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7043, 0.2829, 0.2492



17.4392, 0.2738, 0.2275



12.9953, 0.3104, 0.2554



4.2910, 0.3051, 0.3071



2.2811, 0.1891, 0.0815



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.6044, 0.3363, 0.4068 looks on a white background.

Color Contrast Check

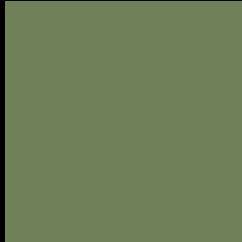
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.6044, 0.3363, 0.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

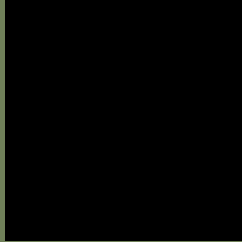
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

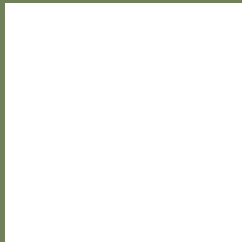
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6044, 0.3363, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 19.6044, 0.3363, 0.4068.



This preview shows how white text looks on a background with the Yxy color 19.6044, 0.3363, 0.4068.

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

19.6044, 0.3363, 0.4068

Protanopia

19.4965, 0.3685, 0.3958

Deuteranopia

19.4072, 0.3816, 0.3749



Tritanopia

19.4366, 0.2969, 0.3103

Trichromacy



Original Color

19.6044, 0.3363, 0.4068

Protanomaly

19.4634, 0.3569, 0.3996

Deuteranomaly

19.3185, 0.3643, 0.3867

Tritanomaly

19.3893, 0.3120, 0.3444

Monochromacy



Original Color

19.6044, 0.3363, 0.4068

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.7148, 0.3213, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6044, 0.3363, 0.4068 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(112, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 89)  
}
```

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(112, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 19.6044, 0.3363, 0.4068 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(112, 128, 89) }
```

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

```
.border{ border-color:rgb(112, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6044, 0.3363, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 89) }
```

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

```
.background{ background-color: rgb(112,  
128, 89) }
```

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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