

Converting Colors

$Y_{xy}(19.4056, 0.3440, 0.4246)$

Have a look what the booklet for
Yxy(19.4056, 0.3440, 0.4246)
contains.

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Color

Yxy(19.3970, 0.3446, 0.4251)

Conversions

Conversions Part 1

Format	Color
Hex	6F8050
RGB	111, 128, 80
RGB Percent	44%, 50%, 31%
CMY	0.5647, 0.4980, 0.6862
CMYK	0.13, 0.00, 0.37, 0.50
HSL	81°, 23%, 41%
HSV	81°, 37%, 50%
XYZ	15.7238, 19.3970, 10.5084
YIQ	117.4450, 5.2760, -18.5320

Conversions

Conversions Part 2

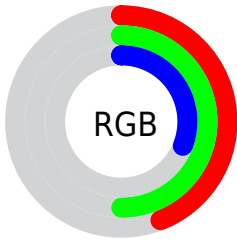
Format	Color
RYB	80, 128, 97
Decimal	7307344
CIELab	51.15, -14.95, 24.03
CIELCh	51, 28.306, 121.889
Yxy	19.3970, 0.3446, 0.4251
Android (android.graphics.Color)	4285497424 (0xFF6F8050)
YUV	117.4450, -18.4604, -5.6523
Hunter-Lab	44.0420, -13.3456, 16.6828

Details

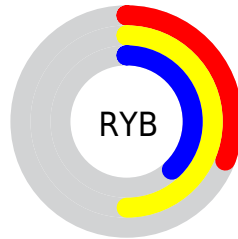
The Yxy color **19.3970, 0.3446, 0.4251** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8411, 0.2705, 0.2276**, and the grayscale version is **17.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4460, 0.3379, 0.4022**, and **6.7316, 0.3534, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **18.9396, 0.3517, 0.4520**, and if you desaturate by 10%, it is **19.9071, 0.3365, 0.3981**.

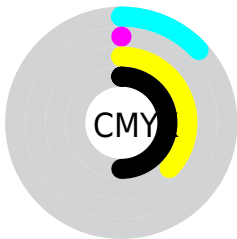
Distribution



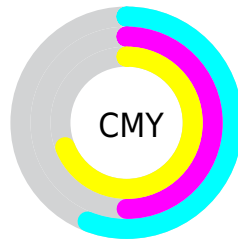
- Red (44%)
- Green (50%)
- Blue (31%)



- Red (31%)
- Yellow (50%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3970, 0.3446, 0.4251 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 19.3970, 0.3446, 0.4251 by changing the saturation by 10% instead.

■ 19.3970, 0.3446,
0.4251

■ 19.3970, 0.3446,
0.4251

■ 248.6317, 0.3277,
0.3686

■ 11.9575, 0.3488,
0.4428

■ 42.4039, 0.3383,
0.4021

■ 6.7147, 0.3538,
0.4681

■ 58.7400, 0.3360,
0.3943

■ 3.2843, 0.3590,
0.5069

■ 78.8105, 0.3340,
0.3879

■ 1.2819, 0.3866,
0.6134

■ 102.9997, 0.3324,
0.3827

■ 0.1271, 0.0000,
1.0000

■ 131.6920, 0.3309,
0.3783

■ 0.0000, 0.0000,
0.0000

165.2719, 0.3297,

0.3746

204.1237, 0.3286,
0.3714

■ 19.3970, 0.3446,
0.4251

■ 19.3970, 0.3446,
0.4251

■ 18.9396, 0.3517,
0.4520

■ 19.9071, 0.3365,
0.3981

■ 18.5300, 0.3575,
0.4778

■ 20.4695, 0.3280,
0.3718

■ 18.1666, 0.3616,
0.5013


■ 21.0869, 0.3192,
0.3467

■ 17.8467, 0.3635,
0.5214

■ 21.7613, 0.3106,
0.3233


■ 17.5672, 0.3631,
0.5373


■ 22.4943, 0.3022,
0.3016

 17.3213, 0.3608,
0.5493

 23.2877, 0.2942,
0.2818

 17.2622, 0.3601,
0.5523

 24.1430, 0.2866,
0.2639

 25.0618, 0.2796,
0.2477

 26.0455, 0.2730,
0.2331

Harmonies

Analogous

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



19.3970, 0.3904, 0.4147



19.3970, 0.3446, 0.4251



19.3970, 0.2925, 0.4033

Triad

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



19.3970, 0.3446, 0.4251



19.3970, 0.2182, 0.2645



19.3970, 0.3787, 0.3012

Complementary

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



19.3970, 0.3446, 0.4251



9.8411, 0.2705, 0.2276

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.



19.3970, 0.3268, 0.2682



19.3970, 0.3446, 0.4251



19.3970, 0.2365, 0.2464

Square

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



19.3970, 0.3446, 0.4251



19.3970, 0.2220, 0.3030



19.3970, 0.2748, 0.2486



19.3970, 0.4126, 0.3417

Rectangle

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



19.3970, 0.3446, 0.4251



19.3970, 0.2613, 0.3731



19.3970, 0.2748, 0.2486



19.3970, 0.3625, 0.2891

Sweetspot

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



19.3979, 0.3446, 0.4251



36.7053, 0.3225, 0.3560



13.6837, 0.3869, 0.3624



8.5653, 0.3235, 0.3588



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.



19.3979, 0.3446, 0.4251



33.4574, 0.3508, 0.4481



18.0546, 0.3157, 0.4344



4.9456, 0.3206, 0.3506



17.1174, 0.3602, 0.5522



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8411, 0.2705, 0.2276



14.0762, 0.2582, 0.2016



11.3496, 0.3058, 0.2374



4.2801, 0.3043, 0.3071



2.1069, 0.1804, 0.0767



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.3970, 0.3446, 0.4251 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 19.3970, 0.3446, 0.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

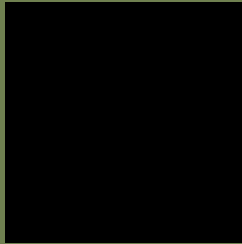
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3970, 0.3446, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 19.3970, 0.3446, 0.4251.



This preview shows how white text looks on a background with the Yxy color 19.3970, 0.3446, 0.4251.

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

19.3970, 0.3446, 0.4251

Protanopia

19.3747, 0.3779, 0.4102

Deuteranopia

19.1351, 0.3939, 0.3868



Tritanopia

19.4093, 0.2980, 0.3122

Trichromacy



Original Color

19.3970, 0.3446, 0.4251

Protanomaly

19.2649, 0.3647, 0.4150

Deuteranomaly

19.0287, 0.3759, 0.3993

Tritanomaly

19.2300, 0.3153, 0.3524

Monochromacy



Original Color

19.3970, 0.3446, 0.4251

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3191, 0.3249, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3970, 0.3446, 0.4251 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(111, 128, 80)` looks like.

```
.text, #text, p{  
    color:rgb(111, 128, 80)  
}
```

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(111, 128, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 128, 80) }
```

Border

The CSS property to change the border of an element to Yxy 19.3970, 0.3446, 0.4251 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(111, 128, 80) }
```

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

```
.border{ border-color:rgb(111, 128, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 128, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 128, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 128, 80);  
box-shadow:4px 4px 4px 4px rgb(111, 128,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3970, 0.3446, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 128, 80) }
```

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

```
.background{ background-color: rgb(111,  
128, 80) }
```

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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