

Converting Colors

$Y_{xy}(18.8055, 0.3856, 0.4242)$

Have a look what the booklet for
Yxy(18.8055, 0.3856, 0.4242)
contains.

Yxy(18.8502, 0.3861, 0.4252)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8502, 0.3861, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	827945
RGB	130, 121, 69
RGB Percent	51%, 47%, 27%
CMY	0.4902, 0.5255, 0.7294
CMYK	0.00, 0.07, 0.47, 0.49
HSL	51°, 31%, 39%
HSV	51°, 47%, 51%
XYZ	17.1168, 18.8502, 8.3656
YIQ	117.7630, 22.0560, -14.2640

Conversions

Conversions Part 2

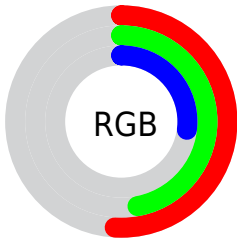
Format	Color
R_YB	80, 130, 69
Decimal	8550725
CIE Lab	50.51, -4.33, 29.65
CIE LCh	51, 29.966, 98.310
Yxy	18.8502, 0.3861, 0.4252
Android (android.graphics.Color)	4286740805 (0xFF827945)
YUV	117.7630, -24.0402, 10.7318
Hunter-Lab	43.4168, -5.6070, 18.9678

Details

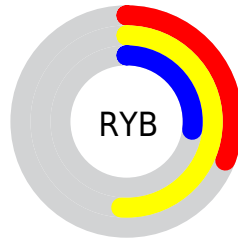
The Yxy color **18.8502, 0.3861, 0.4252** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3234, 0.2315, 0.2093**, and the grayscale version is **18.1102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3855, 0.3706, 0.4038**, and **6.4892, 0.4112, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **18.2459, 0.4015, 0.4432**, and if you desaturate by 10%, it is **19.5009, 0.3700, 0.4053**.

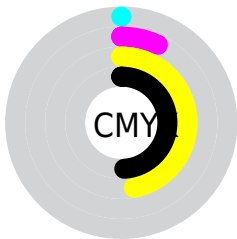
Distribution



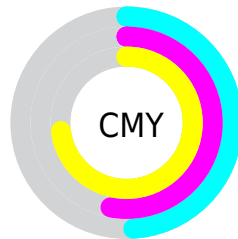
- Red (51%)
- Green (47%)
- Blue (27%)



- Red (31%)
- Yellow (51%)
- Blue (27%)



- Cyan (0%)
- Magenta (7%)
- Yellow (47%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8502, 0.3861, 0.4252 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 18.8502, 0.3861, 0.4252 by changing the saturation by 10% instead.


 18.8502, 0.3861,
0.4252


 18.8502, 0.3861,
0.4252


245.6205, 0.3453,
0.3703


 11.5621, 0.3972,
0.4411


 41.4808, 0.3704,
0.4036

 6.4462, 0.4116,
0.4624


 57.5921, 0.3647,
0.3960

 3.1183, 0.4366,
0.4994

 77.4133, 0.3601,
0.3897

 1.1938, 0.4584,
0.5416

 101.3286, 0.3561,
0.3846

 0.0566, 0.0000,
1.0000

 129.7227, 0.3528,
0.3802

 0.0000, 0.0000,
0.0000

162.9797, 0.3499,

0.3764

201.4842, 0.3474,
0.3732

■ 18.8502, 0.3861,
0.4252

■ 18.8502, 0.3861,
0.4252

■ 18.2459, 0.4015,
0.4432

■ 19.5009, 0.3700,
0.4053

■ 17.6829, 0.4155,
0.4586

■ 20.1976, 0.3538,
0.3845

■ 17.1594, 0.4277,
0.4704

■ 20.9430, 0.3379,
0.3635

■ 16.6725, 0.4374,
0.4782

■ 21.7392, 0.3227,
0.3429

■ 16.2162, 0.4448,
0.4822

■ 22.5878, 0.3084,
0.3230

■ 16.0787, 0.4470,
0.4833

■ 23.4904, 0.2952,
0.3042

■ 24.4488, 0.2830,
0.2867

■ 25.4644, 0.2719,
0.2704

■ 26.5386, 0.2618,
0.2555

Harmonies

Analogous

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



18.8502, 0.4197, 0.3941



18.8502, 0.3861, 0.4252



18.8502, 0.3345, 0.4302

Triad

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



18.8502, 0.3861, 0.4252



18.8502, 0.2135, 0.2904



18.8502, 0.3401, 0.2709

Complementary

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



18.8502, 0.3861, 0.4252



8.3234, 0.2315, 0.2093

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.



18.8502, 0.2831, 0.2467



18.8502, 0.3861, 0.4252



18.8502, 0.2146, 0.2542

Square

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



18.8502, 0.3861, 0.4252



18.8502, 0.2361, 0.3446



18.8502, 0.2387, 0.2401



18.8502, 0.3933, 0.3080

Rectangle

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



18.8502, 0.3861, 0.4252



18.8502, 0.2973, 0.4136



18.8502, 0.2387, 0.2401



18.8502, 0.3205, 0.2612

Sweetspot

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



18.8511, 0.3861, 0.4252



37.2421, 0.3339, 0.3581



9.5533, 0.4144, 0.3114



8.3728, 0.3367, 0.3619



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.



18.8511, 0.3861, 0.4252



32.0995, 0.4020, 0.4438



19.6224, 0.3518, 0.4506



4.9148, 0.3259, 0.3473



15.4257, 0.4469, 0.4833



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.3234, 0.2315, 0.2093



11.2663, 0.2117, 0.1779



8.0583, 0.2564, 0.1985



4.3062, 0.2993, 0.3101



2.0041, 0.1543, 0.0756



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8502, 0.3861, 0.4252 looks on a white background.

Color Contrast Check

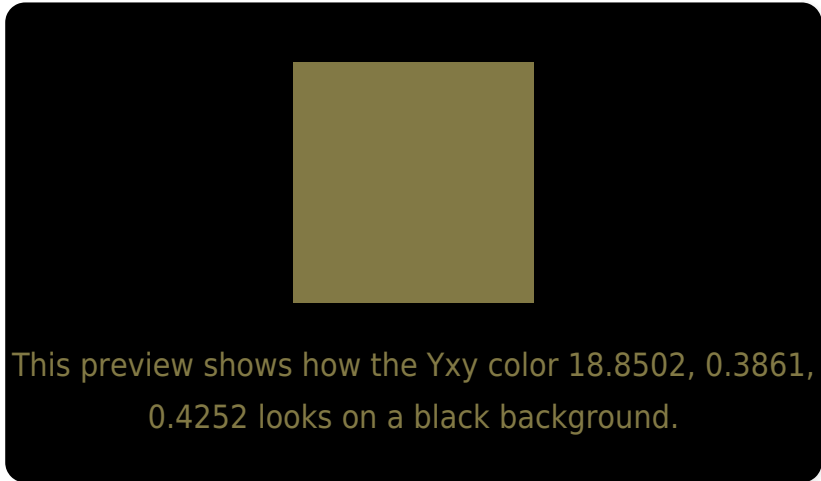
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

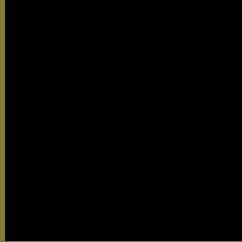
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8502, 0.3861, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 18.8502, 0.3861, 0.4252.

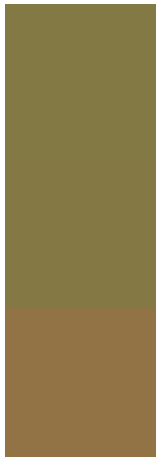


This preview shows how white text looks on a background with the Yxy color 18.8502, 0.3861, 0.4252.

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

18.8502, 0.3861, 0.4252

Protanopia

18.7681, 0.3896, 0.4226

Deuteranopia

18.8147, 0.4121, 0.4061



Tritanopia

18.9509, 0.3290, 0.3130

Trichromacy



Original Color

18.8502, 0.3861, 0.4252

Protanomaly

18.6879, 0.3883, 0.4231

Deuteranomaly

18.7402, 0.4021, 0.4121

Tritanomaly

18.7904, 0.3512, 0.3531

Monochromacy



Original Color

18.8502, 0.3861, 0.4252

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2513, 0.3394, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8502, 0.3861, 0.4252 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(130, 121, 69)` looks like.

```
.text, #text, p{  
    color:rgb(130, 121, 69)  
}
```

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(130, 121, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 121, 69) }
```

Border

The CSS property to change the border of an element to Yxy 18.8502, 0.3861, 0.4252 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(130, 121, 69) }
```

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

```
.border{ border-color:rgb(130, 121, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 121, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 121, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 121, 69);  
box-shadow:4px 4px 4px 4px rgb(130, 121,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8502, 0.3861, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 121, 69) }
```

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

```
.background{ background-color: rgb(130,  
121, 69) }
```

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