

Converting Colors

$Y_{xy}(18.9325, 0.3618, 0.4117)$

Have a look what the booklet for
Yxy(18.9325, 0.3618, 0.4117)
contains.

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Color

Yxy(18.8827, 0.3615, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	7A7B50
RGB	122, 123, 80
RGB Percent	48%, 48%, 31%
CMY	0.5216, 0.5176, 0.6863
CMYK	0.01, 0.00, 0.35, 0.52
HSL	61°, 21%, 40%
HSV	61°, 35%, 48%
XYZ	16.5561, 18.8827, 10.3596
YIQ	117.7990, 13.2070, -13.5850

Conversions

Conversions Part 2

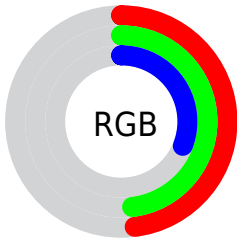
Format	Color
RYB	80, 123, 81
Decimal	8026960
CIELab	50.55, -7.61, 23.44
CIELCh	51, 24.642, 107.995
Yxy	18.8827, 0.3615, 0.4123
Android (android.graphics.Color)	4286217040 (0xFF7A7B50)
YUV	117.7990, -18.6349, 3.6843
Hunter-Lab	43.4542, -8.0361, 16.2831

Details

The Yxy color **18.8827, 0.3615, 0.4123** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.9157, 0.2542, 0.2304**, and the grayscale version is **18.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3856, 0.3508, 0.3920**, and **6.3908, 0.3793, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **18.6970, 0.3747, 0.4350**, and if you desaturate by 10%, it is **19.1034, 0.3476, 0.3885**.

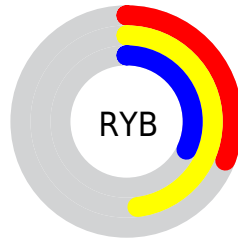
Distribution



Red (48%)

Green (48%)

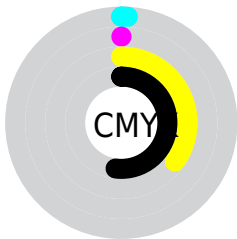
Blue (31%)



Red (31%)

Yellow (48%)

Blue (32%)

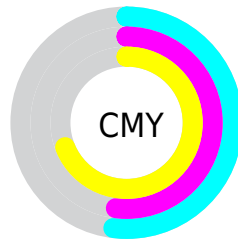


Cyan (1%)

Magenta (0%)

Yellow (35%)

Black (52%)



Cyan (52%)


Magenta (52%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8827, 0.3615, 0.4123 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 18.8827, 0.3615, 0.4123 by changing the saturation by 10% instead.


 18.8827, 0.3615,
0.4123


 18.8827, 0.3615,
0.4123


245.8004, 0.3343,
0.3639


 11.5856, 0.3691,
0.4271


 41.5358, 0.3510,
0.3928

 6.4621, 0.3791,
0.4479


 57.6605, 0.3472,
0.3861


 3.1281, 0.3925,
0.4791

 77.4966, 0.3441,
0.3807

 1.1990, 0.4360,
0.5640

 101.4284, 0.3415,
0.3762

 0.0609, 0.0000,
1.0000

 129.8402, 0.3393,
0.3724

 0.0000, 0.0000,
0.0000

163.1166, 0.3374,

0.3691

201.6419, 0.3358,
0.3664

■ 18.8827, 0.3615,
0.4123

■ 18.8827, 0.3615,
0.4123

■ 18.6970, 0.3747,
0.4350

■ 19.1034, 0.3476,
0.3885

■ 18.5420, 0.3866,
0.4558

■ 19.3584, 0.3335,
0.3643

■ 18.4166, 0.3968,
0.4737

■ 19.6499, 0.3195,
0.3405

■ 18.3184, 0.4048,
0.4882

■ 19.9795, 0.3060,
0.3176

■ 18.2451, 0.4105,
0.4987

■ 20.3486, 0.2932,
0.2959

■ 18.1926, 0.4139,
0.5054

■ 20.7585, 0.2812,
0.2757

■ 18.1686, 0.4154,
0.5084

■ 21.2104, 0.2700,
0.2570

■ 21.7056, 0.2598,
0.2398

■ 22.2451, 0.2505,
0.2243

Harmonies

Analogous

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



18.8827, 0.3948, 0.3938



18.8827, 0.3615, 0.4123



18.8827, 0.3166, 0.4059

Triad

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



18.8827, 0.3615, 0.4123



18.8827, 0.2278, 0.2862



18.8827, 0.3507, 0.2897

Complementary

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



18.8827, 0.3615, 0.4123



8.9157, 0.2542, 0.2304

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.



18.8827, 0.3033, 0.2650



18.8827, 0.3615, 0.4123



18.8827, 0.2351, 0.2611

Square

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



18.8827, 0.3615, 0.4123



18.8827, 0.2408, 0.3272



18.8827, 0.2616, 0.2545



18.8827, 0.3894, 0.3237

Rectangle

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



18.8827, 0.3615, 0.4123



18.8827, 0.2864, 0.3865



18.8827, 0.2616, 0.2545



18.8827, 0.3351, 0.2801

Sweetspot

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



18.8836, 0.3615, 0.4123



34.9008, 0.3268, 0.3530



10.6320, 0.3900, 0.3307



8.2055, 0.3285, 0.3558



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.8836, 0.3615, 0.4123



33.5386, 0.3722, 0.4308



17.5005, 0.3334, 0.4206



4.6294, 0.3252, 0.3502



18.7932, 0.4154, 0.5084



89.5906, 0.4152, 0.5086

Inverse Universe

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



8.9157, 0.2542, 0.2304



12.8409, 0.2381, 0.2035



10.0036, 0.2845, 0.2382



3.8976, 0.2997, 0.3069



1.4983, 0.1512, 0.0606



7.0951, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 18.8827, 0.3615, 0.4123 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 18.8827, 0.3615, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

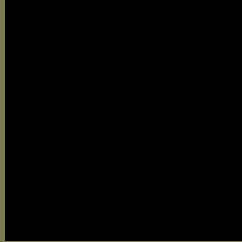
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8827, 0.3615, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 18.8827, 0.3615, 0.4123.



This preview shows how white text looks on a background with the Yxy color 18.8827, 0.3615, 0.4123.

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

18.8827, 0.3615, 0.4123

Protanopia

18.8227, 0.3767, 0.4055

Deuteranopia

18.8000, 0.3945, 0.3872



Tritanopia

18.8181, 0.3160, 0.3125

Trichromacy



Original Color

18.8827, 0.3615, 0.4123

Protanomaly

18.8285, 0.3720, 0.4084

Deuteranomaly

18.7852, 0.3826, 0.3967

Tritanomaly

18.7334, 0.3337, 0.3480

Monochromacy



Original Color

18.8827, 0.3615, 0.4123

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3544, 0.3303, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8827, 0.3615, 0.4123 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(122, 123, 80)` looks like.

```
.text, #text, p{  
    color:rgb(122, 123, 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(122, 123, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 123, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.8827, 0.3615, 0.4123 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(122, 123, 80) }
```

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

```
.border{ border-color:rgb(122, 123, 80) }
```

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

Here you see how a box with a 4 pixel rgb(122, 123, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 123, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 123, 80);  
box-shadow:4px 4px 4px 4px rgb(122, 123,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8827, 0.3615, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 123, 80) }
```

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

```
.background{ background-color: rgb(122,  
123, 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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