

Converting Colors

$Y_{xy}(24.8649, 0.3248, 0.3882)$

Have a look what the booklet for
Yxy(24.8649, 0.3248, 0.3882)
contains.

Yxy(24.7569, 0.3250, 0.3869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.7569, 0.3250, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	7C8E6E
RGB	124, 142, 110
RGB Percent	49%, 56%, 43%
CMY	0.5139, 0.4431, 0.5686
CMYK	0.13, 0.00, 0.23, 0.44
HSL	94°, 13%, 49%
HSV	94°, 23%, 56%
XYZ	20.7961, 24.7569, 18.4349
YIQ	132.9700, -0.4560, -13.7680

Conversions

Conversions Part 2

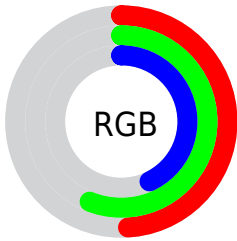
Format	Color
R_{YB}	110, 142, 128
Decimal	8162926
CIE _{Lab}	56.84, -12.67, 14.94
CIE _{LCh}	57, 19.586, 130.293
Yxy	24.7569, 0.3250, 0.3869
Android (android.graphics.Color)	4286353006 (0xFF7C8E6E)
YUV	132.9700, -11.3242, -7.8667
Hunter-Lab	49.7563, -12.4680, 12.8622

Details

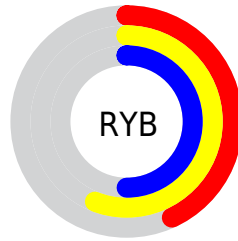
The Yxy color $24.7569, 0.3250, 0.3869$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.6989, 0.2977, 0.2720$, and the grayscale version is $23.4846, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.4356, 0.3226, 0.3738$, and $9.4979, 0.3291, 0.4114$ is the 20% darker color. If you saturate the color by 10%, you get $23.9007, 0.3299, 0.4156$, and if you desaturate by 10%, it is $25.7133, 0.3196, 0.3599$.

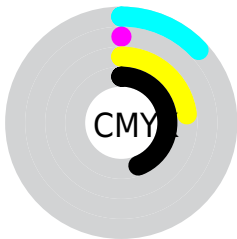
Distribution



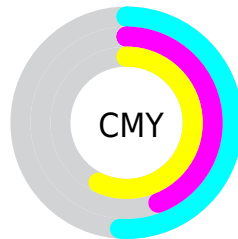
- Red (49%)
- Green (56%)
- Blue (43%)



- Red (43%)
- Yellow (56%)
- Blue (50%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (44%)





- Cyan (51%)
- Magenta (44%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7569, 0.3250, 0.3869 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 24.7569, 0.3250, 0.3869 by changing the saturation by 10% instead.


 24.7569, 0.3250,
0.3869


 24.7569, 0.3250,
0.3869


276.6251, 0.3187,
0.3541


 15.8960, 0.3266,
0.3967


 51.2626, 0.3227,
0.3739


 9.4506, 0.3285,
0.4104

 69.6762, 0.3218,
0.3694

 5.0362, 0.3309,
0.4309

 92.0428, 0.3211,
0.3656

 2.2685, 0.3334,
0.4647

 118.7468, 0.3205,
0.3626

 0.7570, 0.3515,
0.6485

150.1727, 0.3199,
0.3600

 0.0000, 0.0000,
0.0000

186.7048, 0.3194,

0.3577

228.7274, 0.3190,
0.3558

■ 24.7569, 0.3250,
0.3869

■ 24.7569, 0.3250,
0.3869

■ 23.9007, 0.3299,
0.4156

■ 25.7133, 0.3196,
0.3599

■ 23.1379, 0.3342,
0.4454

■ 26.7699, 0.3141,
0.3350

■ 22.4659, 0.3373,
0.4751

■ 27.9310, 0.3086,
0.3123

■ 21.8807, 0.3390,
0.5036

■ 29.1995, 0.3033,
0.2919

■ 21.3778, 0.3390,
0.5292

■ 30.5784, 0.2982,
0.2736

■ 20.9524, 0.3370,
0.5506

■ 32.0703, 0.2933,
0.2573

■ 20.5989, 0.3332,
0.5666

■ 33.6780, 0.2888,
0.2428

■ 20.3720, 0.3298,
0.5763

■ 35.4039, 0.2846,
0.2299

■ 37.2505, 0.2806,
0.2185

Harmonies

Analogous

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



24.7569, 0.3563, 0.3877



24.7569, 0.3250, 0.3869



24.7569, 0.2916, 0.3678

Triad

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



24.7569, 0.3250, 0.3869



24.7569, 0.2523, 0.2830



24.7569, 0.3623, 0.3188

Complementary

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



24.7569, 0.3250, 0.3869



17.6989, 0.2977, 0.2720

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.



24.7569, 0.3320, 0.2943



24.7569, 0.3250, 0.3869



24.7569, 0.2689, 0.2737

Square

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



24.7569, 0.3250, 0.3869



24.7569, 0.2508, 0.3055



24.7569, 0.2976, 0.2781



24.7569, 0.3789, 0.3467

Rectangle

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



24.7569, 0.3250, 0.3869



24.7569, 0.2725, 0.3478



24.7569, 0.2976, 0.2781



24.7569, 0.3533, 0.3100

Sweetspot

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



24.7580, 0.3250, 0.3869



46.3172, 0.3167, 0.3462



22.2140, 0.3504, 0.3597



10.3251, 0.3169, 0.3474



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.7580, 0.3250, 0.3869



42.8703, 0.3276, 0.4011



23.8258, 0.3084, 0.3865



6.1372, 0.3178, 0.3513



18.2983, 0.3301, 0.5761



0.1876, 0.3649, 0.5485

Inverse Universe

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



17.6989, 0.2977, 0.2720



28.1807, 0.2936, 0.2583



18.8100, 0.3172, 0.2775



5.3955, 0.3072, 0.3069



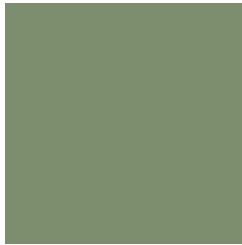
3.2980, 0.2177, 0.0973



0.0446, 0.2637, 0.1226

Previews

White Background



This preview shows how the Yxy color 24.7569, 0.3250, 0.3869 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 24.7569, 0.3250, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

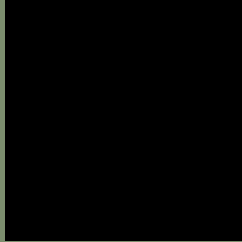
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7569, 0.3250, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 24.7569, 0.3250, 0.3869.



This preview shows how white text looks on a background with the Yxy color 24.7569, 0.3250, 0.3869.

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

24.7569, 0.3250, 0.3869

Protanopia

24.6896, 0.3544, 0.3782

Deuteranopia

24.6716, 0.3666, 0.3598



Tritanopia

24.7753, 0.2943, 0.3103

Trichromacy



Original Color

24.7569, 0.3250, 0.3869

Protanomaly

24.5780, 0.3431, 0.3813

Deuteranomaly

24.5866, 0.3516, 0.3696

Tritanomaly

24.7757, 0.3058, 0.3377

Monochromacy



Original Color

24.7569, 0.3250, 0.3869

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.8348, 0.3174, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7569, 0.3250, 0.3869 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(124, 142, 110)` looks like.

```
.text, #text, p{  
    color:rgb(124, 142, 110)  
}
```

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(124, 142, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 142, 110) }
```

Border

The CSS property to change the border of an element to Yxy 24.7569, 0.3250, 0.3869 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(124, 142, 110) }
```

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

```
.border{ border-color:rgb(124, 142, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 142, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 142, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 142, 110);  
box-shadow:4px 4px 4px 4px rgb(124, 142,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7569, 0.3250, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 142, 110) }
```

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

```
.background{ background-color: rgb(124,  
142, 110) }
```

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