

# Converting Colors

$Y_{xy}(25.1723, 0.3418, 0.4120)$

Have a look what the booklet for  
Yxy(25.1723, 0.3418, 0.4120)  
contains.

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# Color

**$\text{Yxy}(25.0972, 0.3422, 0.4112)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	808F61
RGB	128, 143, 97
RGB Percent	50%, 56%, 38%
CMY	0.4979, 0.4392, 0.6196
CMYK	0.10, 0.00, 0.32, 0.44
HSL	80°, 19%, 47%
HSV	80°, 32%, 56%
XYZ	20.8859, 25.0972, 15.0510
YIQ	133.2710, 5.8260, -17.4860

# Conversions

## Conversions Part 2

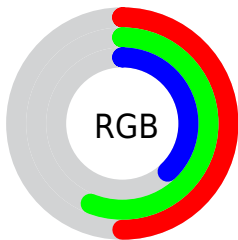
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 143, 112
Decimal	8425313
CIE <sub>Lab</sub>	57.17, -13.67, 22.74
CIE <sub>LCh</sub>	57, 26.534, 120.998
Yxy	25.0972, 0.3422, 0.4112
Android (android.graphics.Color)	4286615393 (0xFF808F61)
YUV	133.2710, -17.8816, -4.6227
Hunter-Lab	50.0971, -13.2520, 17.2551

# Details

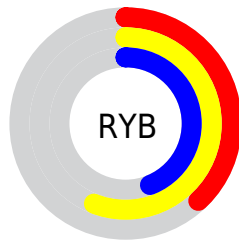
The Yxy color  $25.0972, 0.3422, 0.4112$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $13.9731, 0.2756, 0.2421$ , and the grayscale version is  $23.6266, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $51.8944, 0.3362, 0.3933$ , and  $9.6787, 0.3502, 0.4441$  is the 20% darker color. If you saturate the color by 10%, you get  $24.5026, 0.3504, 0.4382$ , and if you desaturate by 10%, it is  $25.7586, 0.3333, 0.3844$ .

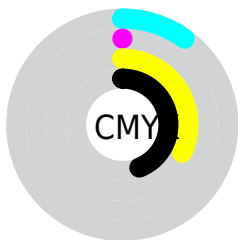
# Distribution



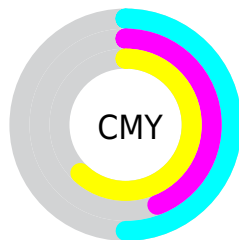
- Red (50%)
- Green (56%)
- Blue (38%)



- Red (38%)
- Yellow (56%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)



- Cyan (50%)
- Magenta (44%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0972, 0.3422, 0.4112 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 25.0972, 0.3422, 0.4112 by changing the saturation by 10% instead.





 25.0972, 0.3422,  
0.4112


 25.0972, 0.3422,  
0.4112


278.3217, 0.3269,  
0.3647

 16.1495, 0.3460,  
0.4249


 51.8149, 0.3366,  
0.3929

 9.6300, 0.3508,  
0.4438


 70.3536, 0.3345,  
0.3864

 5.1543, 0.3565,  
0.4715

 92.8582, 0.3327,  
0.3812

 2.3381, 0.3685,  
0.5240

 119.7129, 0.3312,  
0.3768

 0.7938, 0.3465,  
0.6535

151.3022, 0.3299,  
0.3731

 0.0000, 0.0000,  
0.0000

188.0105, 0.3287,

0.3699

230.2222, 0.3277,  
0.3671

■ 25.0972, 0.3422,  
0.4112

■ 25.0972, 0.3422,  
0.4112

■ 24.5026, 0.3504,  
0.4382

■ 25.7586, 0.3333,  
0.3844

■ 23.9688, 0.3575,  
0.4645

■ 26.4861, 0.3240,  
0.3585

■ 23.4937, 0.3629,  
0.4889

■ 27.2833, 0.3147,  
0.3341

■ 23.0740, 0.3664,  
0.5104

■ 28.1524, 0.3057,  
0.3113

■ 22.7059, 0.3675,  
0.5280

■ 29.0958, 0.2970,  
0.2904

■ 22.3850, 0.3662,  
0.5409

■ 30.1153, 0.2888,  
0.2714

■ 22.1570, 0.3642,  
0.5490

■ 31.2131, 0.2811,  
0.2541

■ 32.3911, 0.2740,  
0.2386

■ 33.6510, 0.2674,  
0.2246

# Harmonies

## Analogous

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



25.0972, 0.3812, 0.4028



25.0972, 0.3422, 0.4112



25.0972, 0.2970, 0.3930

# Triad

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



25.0972, 0.3422, 0.4112



25.0972, 0.2301, 0.2743



25.0972, 0.3683, 0.3041

# Complementary

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



25.0972, 0.3422, 0.4112



13.9731, 0.2756, 0.2421

# 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.



25.0972, 0.3237, 0.2752



25.0972, 0.3422, 0.4112



25.0972, 0.2457, 0.2574

# Square

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



25.0972, 0.3422, 0.4112



25.0972, 0.2342, 0.3085



25.0972, 0.2789, 0.2584



25.0972, 0.3980, 0.3398



# Rectangle

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



25.0972, 0.3422, 0.4112



25.0972, 0.2696, 0.3680



25.0972, 0.2789, 0.2584



25.0972, 0.3544, 0.2935

# Sweetspot

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



25.0983, 0.3422, 0.4112



47.7057, 0.3222, 0.3536



18.1939, 0.3754, 0.3551



10.9001, 0.3233, 0.3568



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290



# Same Dimension

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



25.0983, 0.3422, 0.4112



44.1238, 0.3486, 0.4319



23.5356, 0.3171, 0.4180



6.1987, 0.3212, 0.3511



19.6040, 0.3645, 0.5488



0.1994, 0.3909, 0.5278



# Inverse Universe

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



13.9731, 0.2756, 0.2421



20.8173, 0.2645, 0.2186



15.6460, 0.3050, 0.2492



5.3348, 0.3037, 0.3066



2.2879, 0.1758, 0.0742



0.0328, 0.2227, 0.1000



# Previews

## White Background



This preview shows how the Yxy color 25.0972, 0.3422, 0.4112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

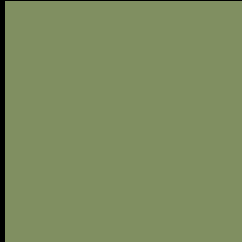
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 25.0972, 0.3422, 0.4112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

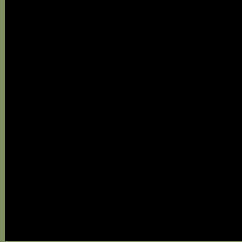
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.0972, 0.3422, 0.4112**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.0972, 0.3422, 0.4112.



This preview shows how white text looks on a background with the Yxy color 25.0972, 0.3422, 0.4112.

# 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

25.0972, 0.3422, 0.4112

### Protanopia

24.9954, 0.3717, 0.4008

### Deuteranopia

24.8341, 0.3855, 0.3782



## Tritanopia

25.1488, 0.3005, 0.3123

# Trichromacy



## Original Color

25.0972, 0.3422, 0.4112

## Protanomaly

24.9542, 0.3611, 0.4044

## Deuteranomaly

24.7128, 0.3697, 0.3889

## Tritanomaly

24.9558, 0.3152, 0.3463

# Monochromacy



## Original Color

25.0972, 0.3422, 0.4112

## Achromatopsia

23.4551, 0.3127, 0.3290

## Achromatomaly

24.0727, 0.3236, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0972, 0.3422, 0.4112 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(128, 143, 97)` looks like.

```
.text, #text, p{  
    color:rgb(128, 143, 97)  
}
```

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(128, 143, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 143, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0972, 0.3422, 0.4112 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(128, 143, 97) }
```

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

```
.border{ border-color:rgb(128, 143, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 143, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 143, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 143, 97);  
box-shadow:4px 4px 4px 4px rgb(128, 143,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0972, 0.3422, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 143, 97) }
```

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

```
.background{ background-color: rgb(128,  
143, 97) }
```

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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