

Converting Colors

$Y_{xy}(23.9769, 0.3458, 0.4064)$

Have a look what the booklet for
Yxy(23.9769, 0.3458, 0.4064)
contains.

Yxy(23.9769, 0.3458, 0.4064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9769, 0.3458, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	818B60
RGB	129, 139, 96
RGB Percent	51%, 55%, 38%
CMY	0.4940, 0.4549, 0.6235
CMYK	0.07, 0.00, 0.31, 0.45
HSL	74°, 18%, 46%
HSV	74°, 31%, 55%
XYZ	20.4016, 23.9769, 14.6198
YIQ	131.1080, 7.8430, -15.4930

Conversions

Conversions Part 2

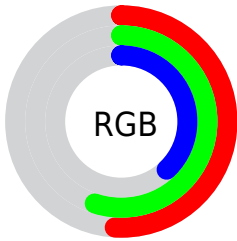
Format	Color
R_{YB}	96, 139, 106
Decimal	8489824
CIE _{Lab}	56.06, -11.25, 21.84
CIE _{LCh}	56, 24.564, 117.260
Yxy	23.9769, 0.3458, 0.4064
Android (android.graphics.Color)	4286679904 (0xFF818B60)
YUV	131.1080, -17.3082, -1.8487
Hunter-Lab	48.9662, -11.3195, 16.5742

Details

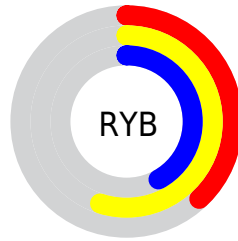
The Yxy color $23.9769, 0.3458, 0.4064$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.2921, 0.2723, 0.2449$, and the grayscale version is $22.8011, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.7509, 0.3389, 0.3884$, and $9.0288, 0.3561, 0.4374$ is the 20% darker color. If you saturate the color by 10%, you get $23.4959, 0.3558, 0.4323$, and if you desaturate by 10%, it is $24.5132, 0.3352, 0.3805$.

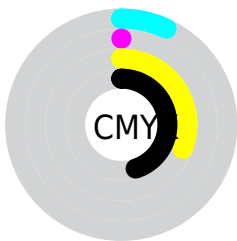
Distribution



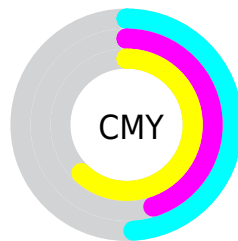
- Red (51%)
- Green (55%)
- Blue (38%)



- Red (38%)
- Yellow (55%)
- Blue (42%)



- Cyan (7%)
- Magenta (0%)
- Yellow (31%)
- Black (45%)




- Cyan (49%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9769, 0.3458, 0.4064 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 23.9769, 0.3458, 0.4064 by changing the saturation by 10% instead.


 23.9769, 0.3458,
0.4064


 23.9769, 0.3458,
0.4064

272.7037, 0.3282,
0.3625


 15.3165, 0.3504,
0.4194


 49.9925, 0.3392,
0.3891


 9.0418, 0.3563,
0.4374


 68.1165, 0.3368,
0.3830

 4.7685, 0.3638,
0.4638

 90.1638, 0.3348,
0.3780

 2.1121, 0.3816,
0.5179

 116.5188, 0.3330,
0.3739

 0.6714, 0.3512,
0.6488

147.5659, 0.3316,
0.3704

 0.0000, 0.0000,
0.0000

183.6894, 0.3303,

0.3674

225.2739, 0.3292,
0.3648

■ 23.9769, 0.3458,
0.4064

■ 23.9769, 0.3458,
0.4064

■ 23.4959, 0.3558,
0.4323

■ 24.5132, 0.3352,
0.3805

■ 23.0647, 0.3646,
0.4573

■ 25.1039, 0.3244,
0.3552

■ 22.6815, 0.3719,
0.4803

■ 25.7523, 0.3137,
0.3312

■ 22.3435, 0.3772,
0.5003

■ 26.4603, 0.3033,
0.3086

■ 22.0472, 0.3802,
0.5166

■ 27.2298, 0.2935,
0.2878

■ 21.7888, 0.3807,
0.5284

■ 28.0627, 0.2842,
0.2686

■ 21.5771, 0.3798,
0.5366

■ 28.9607, 0.2755,
0.2513

■ 29.9255, 0.2675,
0.2355

■ 30.9586, 0.2602,
0.2213

Harmonies

Analogous

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



23.9769, 0.3808, 0.3962



23.9769, 0.3458, 0.4064



23.9769, 0.3033, 0.3924

Triad

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



23.9769, 0.3458, 0.4064



23.9769, 0.2341, 0.2808



23.9769, 0.3603, 0.3018

Complementary

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



23.9769, 0.3458, 0.4064



13.2921, 0.2723, 0.2449

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.



23.9769, 0.3177, 0.2755



23.9769, 0.3458, 0.4064



23.9769, 0.2467, 0.2625

Square

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



23.9769, 0.3458, 0.4064



23.9769, 0.2405, 0.3149



23.9769, 0.2763, 0.2613



23.9769, 0.3905, 0.3351

Rectangle

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



23.9769, 0.3458, 0.4064



23.9769, 0.2767, 0.3704



23.9769, 0.2763, 0.2613



23.9769, 0.3468, 0.2919

Sweetspot

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



23.9780, 0.3458, 0.4064



45.1554, 0.3225, 0.3510



16.5012, 0.3744, 0.3463



10.3711, 0.3239, 0.3542



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.



23.9780, 0.3458, 0.4064



42.3415, 0.3527, 0.4243



22.5076, 0.3218, 0.4126



5.7876, 0.3225, 0.3508



19.4843, 0.3800, 0.5365



0.1360, 0.3998, 0.5208

Inverse Universe

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



13.2921, 0.2723, 0.2449



20.0989, 0.2612, 0.2233



14.7281, 0.2996, 0.2512



4.9445, 0.3024, 0.3067



1.9692, 0.1647, 0.0681



0.0188, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 23.9769, 0.3458, 0.4064 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 23.9769, 0.3458, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

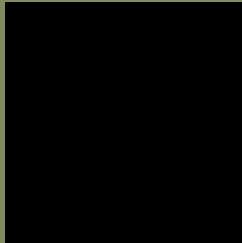
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9769, 0.3458, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 23.9769, 0.3458, 0.4064.



This preview shows how white text looks on a background with the Yxy color 23.9769, 0.3458, 0.4064.

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

23.9769, 0.3458, 0.4064

Protanopia

23.8781, 0.3696, 0.3971

Deuteranopia

23.9533, 0.3853, 0.3790



Tritanopia

23.9091, 0.3046, 0.3121

Trichromacy



Original Color

23.9769, 0.3458, 0.4064

Protanomaly

23.9235, 0.3601, 0.4004

Deuteranomaly

23.9340, 0.3705, 0.3897

Tritanomaly

23.8208, 0.3199, 0.3448

Monochromacy



Original Color

23.9769, 0.3458, 0.4064

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1040, 0.3251, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9769, 0.3458, 0.4064 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(129, 139, 96)` looks like.

```
.text, #text, p{  
    color:rgb(129, 139, 96)  
}
```

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(129, 139, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 139, 96) }
```

Border

The CSS property to change the border of an element to Yxy 23.9769, 0.3458, 0.4064 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(129, 139, 96) }
```

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

```
.border{ border-color:rgb(129, 139, 96) }
```

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

Here you see how a box with a 4 pixel rgb(129, 139, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 139, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 139, 96);  
box-shadow:4px 4px 4px 4px rgb(129, 139,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9769, 0.3458, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 139, 96) }
```

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

```
.background{ background-color: rgb(129,  
139, 96) }
```

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