

# Converting Colors

$Y_{xy}(23.9124, 0.3568, 0.4286)$

Have a look what the booklet for  
Yxy(23.9124, 0.3568, 0.4286)  
contains.

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**Color**

**Yxy(24.0634, 0.3573, 0.4292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	818C54
RGB	129, 140, 84
RGB Percent	51%, 55%, 33%
CMY	0.4941, 0.4510, 0.6707
CMYK	0.08, 0.00, 0.40, 0.45
HSL	72°, 25%, 44%
HSV	72°, 40%, 55%
XYZ	20.0323, 24.0634, 11.9700
YIQ	130.3270, 11.4200, -19.7480

# Conversions

## Conversions Part 2

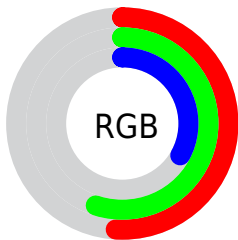
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 140, 95
Decimal	8490068
CIE <sub>Lab</sub>	56.15, -13.44, 28.59
CIE <sub>LCh</sub>	56, 31.591, 115.181
Yxy	24.0634, 0.3573, 0.4292
Android (android.graphics.Color)	4286680148 (0xFF818C54)
YUV	130.3270, -22.8392, -1.1638
Hunter-Lab	49.0545, -12.9516, 19.8705

# Details

The Yxy color  $24.0634, 0.3573, 0.4292$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $10.6602, 0.2550, 0.2154$ , and the grayscale version is  $22.5249, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $50.3721, 0.3492, 0.4079$ , and  $9.1082, 0.3709, 0.4683$  is the 20% darker color. If you saturate the color by 10%, you get  $23.6545, 0.3669, 0.4538$ , and if you desaturate by 10%, it is  $24.5240, 0.3466, 0.4037$ .

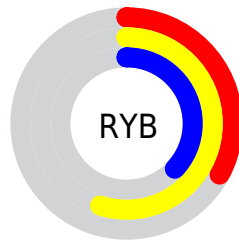
# Distribution



Red (51%)

Green (55%)

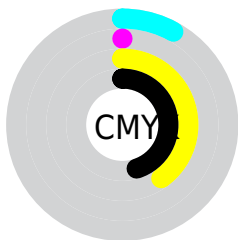
Blue (33%)



Red (33%)

Yellow (55%)

Blue (37%)

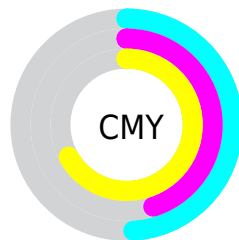


Cyan (8%)

Magenta (0%)

Yellow (40%)

Black (45%)



Cyan (49%)

Magenta (45%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0634, 0.3573, 0.4292 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 24.0634, 0.3573, 0.4292 by changing the saturation by 10% instead.





 24.0634, 0.3573,  
0.4292


 24.0634, 0.3573,  
0.4292


273.1409, 0.3340,  
0.3725


 15.3807, 0.3630,  
0.4457


 50.1336, 0.3488,  
0.4069


 9.0870, 0.3699,  
0.4683


 68.2899, 0.3456,  
0.3990


 4.7980, 0.3778,  
0.5006

 90.3729, 0.3429,  
0.3926

 2.1292, 0.4117,  
0.5883

 116.7668, 0.3406,  
0.3872

 0.6810, 0.3191,  
0.6809

 147.8562, 0.3386,  
0.3827

 0.0000, 0.0000,  
0.0000

184.0254, 0.3369,

0.3788

225.6588, 0.3354,  
0.3755

■ 24.0634, 0.3573,  
0.4292

■ 24.0634, 0.3573,  
0.4292

■ 23.6545, 0.3669,  
0.4538

■ 24.5240, 0.3466,  
0.4037

■ 23.2915, 0.3750,  
0.4764

■ 25.0357, 0.3354,  
0.3780

■ 22.9725, 0.3811,  
0.4960

■ 25.6017, 0.3240,  
0.3530

■ 22.6942, 0.3849,  
0.5119

■ 26.2242, 0.3127,  
0.3291

■ 22.4526, 0.3862,  
0.5235

■ 26.9052, 0.3019,  
0.3066

■ 22.2375, 0.3858,  
0.5319

■ 27.6466, 0.2916,  
0.2858

■ 28.4502, 0.2819,  
0.2667

■ 29.3178, 0.2730,  
0.2493

■ 30.2510, 0.2647,  
0.2336

# Harmonies

## Analogous

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



24.0634, 0.4014, 0.4117



24.0634, 0.3573, 0.4292



24.0634, 0.3034, 0.4145

# Triad

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



24.0634, 0.3573, 0.4292



24.0634, 0.2138, 0.2691



24.0634, 0.3701, 0.2916

# Complementary

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



24.0634, 0.3573, 0.4292



10.6602, 0.2550, 0.2154

# 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.



24.0634, 0.3145, 0.2602



24.0634, 0.3573, 0.4292



24.0634, 0.2277, 0.2458

# Square

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



24.0634, 0.3573, 0.4292



24.0634, 0.2229, 0.3132



24.0634, 0.2629, 0.2436



24.0634, 0.4111, 0.3322



# Rectangle

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



24.0634, 0.3573, 0.4292



24.0634, 0.2694, 0.3865



24.0634, 0.2629, 0.2436



24.0634, 0.3522, 0.2798

# Sweetspot

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



24.0645, 0.3573, 0.4292



44.9050, 0.3265, 0.3585



14.2639, 0.4012, 0.3481



10.3212, 0.3278, 0.3612



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.



24.0645, 0.3573, 0.4292



41.7724, 0.3660, 0.4514



22.2043, 0.3257, 0.4403



5.7963, 0.3230, 0.3508



19.7668, 0.3860, 0.5317



0.1372, 0.4030, 0.5182



# Inverse Universe

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



10.6602, 0.2550, 0.2154



14.7612, 0.2389, 0.1862



12.3860, 0.2918, 0.2264



4.9364, 0.3019, 0.3066



1.9020, 0.1614, 0.0663



0.0176, 0.1966, 0.0857



# Previews

## White Background



This preview shows how the Yxy color 24.0634, 0.3573, 0.4292 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 24.0634, 0.3573, 0.4292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

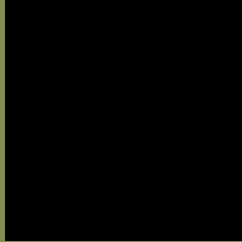
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.0634, 0.3573, 0.4292**

## Background



This preview shows how black text looks on a background with the Yxy color 24.0634, 0.3573, 0.4292.



This preview shows how white text looks on a background with the Yxy color 24.0634, 0.3573, 0.4292.

# 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

24.0634, 0.3573, 0.4292

### Protanopia

23.8624, 0.3849, 0.4160

### Deuteranopia

23.8078, 0.4025, 0.3937



## Tritanopia

23.9925, 0.3057, 0.3121

# Trichromacy



## Original Color

24.0634, 0.3573, 0.4292

## Protanomaly

23.8083, 0.3739, 0.4203

## Deuteranomaly

23.6584, 0.3857, 0.4054

## Tritanomaly

24.0000, 0.3240, 0.3536

# Monochromacy



## Original Color

24.0634, 0.3573, 0.4292

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

22.9883, 0.3305, 0.3668

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.0634, 0.3573, 0.4292 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, 140, 84)` looks like.

```
.text, #text, p{  
    color:rgb(129, 140, 84)  
}
```

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, 140, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 140, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 24.0634, 0.3573, 0.4292 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, 140, 84) }
```

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

```
.border{ border-color:rgb(129, 140, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 140, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 140, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 140, 84);  
box-shadow:4px 4px 4px 4px rgb(129, 140,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.0634, 0.3573, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 140, 84) }
```

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

```
.background{ background-color: rgb(129,  
140, 84) }
```

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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