

# Converting Colors

$Y_{xy}(12.4337, 0.4362, 0.3408)$

Have a look what the booklet for  
Yxy(12.4337, 0.4362, 0.3408)  
contains.

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**Color**

**Yxy(12.4126, 0.4351, 0.3399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91514B
RGB	145, 81, 75
RGB Percent	57%, 32%, 29%
CMY	0.4314, 0.6823, 0.7058
CMYK	0.00, 0.44, 0.48, 0.43
HSL	5°, 32%, 43%
HSV	5°, 48%, 57%
XYZ	15.8892, 12.4126, 8.2166
YIQ	99.4520, 40.0700, 11.7020

# Conversions

## Conversions Part 2

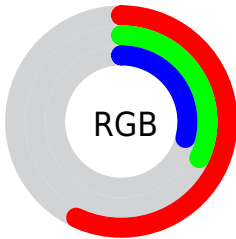
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 82, 75
Decimal	9523531
CIE Lab	41.86, 26.02, 15.25
CIE LCh	42, 30.161, 30.372
Yxy	12.4126, 0.4351, 0.3399
Android (android.graphics.Color)	4287713611 (0xFF91514B)
YUV	99.4520, -12.0548, 39.9456
Hunter-Lab	35.2315, 18.8470, 10.8345

# Details

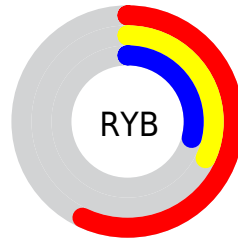
The Yxy color **12.4126, 0.4351, 0.3399** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.0054, 0.2486, 0.3172**, and the grayscale version is **12.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1053, 0.4030, 0.3385**, and **3.4671, 0.4986, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **10.4549, 0.4756, 0.3416**, and if you desaturate by 10%, it is **14.8015, 0.3999, 0.3377**.

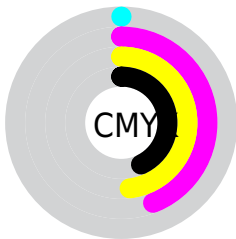
# Distribution



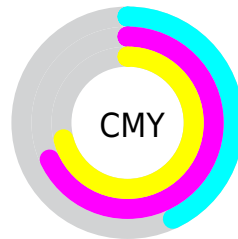
- Red (57%)
- Green (32%)
- Blue (29%)



- Red (57%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (44%)
- Yellow (48%)
- Black (43%)




- Cyan (43%)
- Magenta (68%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4126, 0.4351, 0.3399 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 12.4126, 0.4351, 0.3399 by changing the saturation by 10% instead.





 12.4126, 0.4351,  
0.3399


 12.4126, 0.4351,  
0.3399


207.1180, 0.3600,  
0.3360


 7.0253, 0.4606,  
0.3393


 30.2444, 0.4034,  
0.3393


 3.4779, 0.4985,  
0.3365

 43.4577, 0.3930,  
0.3387


 1.3861, 0.5755,  
0.3362

 60.0484, 0.3847,  
0.3382

 0.2064, 0.8011,  
0.1989

 80.4010, 0.3779,  
0.3377

 0.0000, 0.0000,  
0.0000

 104.8999, 0.3723,  
0.3372

133.9294, 0.3676,

0.3367

167.8740, 0.3635,  
0.3363

■ 12.4126, 0.4351,  
0.3399

■ 12.4126, 0.4351,  
0.3399

■ 10.4549, 0.4756,  
0.3416

■ 14.8015, 0.3999,  
0.3377

■ 8.9010, 0.5196,  
0.3423

■ 17.6432, 0.3704,  
0.3354

■ 7.7231, 0.5632,  
0.3416


■ 20.9602, 0.3461,  
0.3330

■ 6.8893, 0.6006,  
0.3394

■ 24.7729, 0.3263,  
0.3307


■ 6.3586, 0.6277,  
0.3366


■ 29.1003, 0.3101,  
0.3287

 6.2927, 0.6318,  
0.3365

 33.9607, 0.2969,  
0.3267

 39.3714, 0.2861,  
0.3250

 45.3489, 0.2772,  
0.3234

 51.9089, 0.2698,  
0.3220

# Harmonies

## Analogous

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



12.4126, 0.3913, 0.2923



12.4126, 0.4351, 0.3399



12.4126, 0.4406, 0.3895

# Triad

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



12.4126, 0.4351, 0.3399



12.4126, 0.2897, 0.4253



12.4126, 0.2186, 0.2295

# Complementary

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



12.4126, 0.4351, 0.3399



22.0054, 0.2486, 0.3172

# 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.



12.4126, 0.1984, 0.2511



12.4126, 0.4351, 0.3399



12.4126, 0.2356, 0.3648

# Square

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



12.4126, 0.4351, 0.3399



12.4126, 0.3533, 0.4492



12.4126, 0.2038, 0.2984



12.4126, 0.2630, 0.2316



# Rectangle

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



12.4126, 0.4351, 0.3399



12.4126, 0.4230, 0.4191



12.4126, 0.2038, 0.2984



12.4126, 0.2091, 0.2339

# Sweetspot

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



12.4132, 0.4351, 0.3399



40.1458, 0.3378, 0.3321



12.9216, 0.3265, 0.2237



8.6440, 0.3418, 0.3325



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.



12.4132, 0.4351, 0.3399



18.4323, 0.4796, 0.3417



18.9802, 0.4039, 0.3999



5.4938, 0.3279, 0.3309



5.4162, 0.6312, 0.3371



0.0636, 0.5935, 0.3669



# Inverse Universe

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



22.0054, 0.2486, 0.3172



37.7039, 0.2381, 0.3141



13.4754, 0.2353, 0.2443



6.0384, 0.2990, 0.3271



16.0613, 0.2174, 0.3027



0.1686, 0.2213, 0.3167



# Previews

## White Background



This preview shows how the Yxy color 12.4126, 0.4351, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

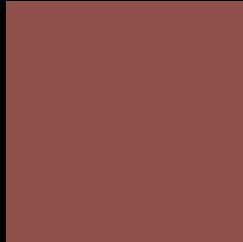
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 12.4126, 0.4351, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

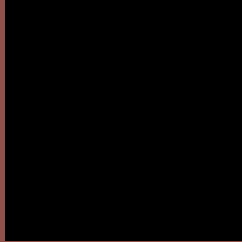
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 12.4126, 0.4351, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 12.4126, 0.4351, 0.3399.



This preview shows how white text looks on a background with the Yxy color 12.4126, 0.4351, 0.3399.

# 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

12.4126, 0.4351, 0.3399

### Protanopia

12.5515, 0.3446, 0.3651

### Deuteranopia

12.5038, 0.3846, 0.3776



## Tritanopia

12.3588, 0.4202, 0.3188

# Trichromacy



## Original Color

12.4126, 0.4351, 0.3399

## Protanomaly

12.2265, 0.3773, 0.3543

## Deuteranomaly

12.3826, 0.4034, 0.3630

## Tritanomaly

12.4424, 0.4267, 0.3276

# Monochromacy



## Original Color

12.4126, 0.4351, 0.3399

## Achromatopsia

12.4772, 0.3127, 0.3290

## Achromatomaly

12.1055, 0.3546, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 12.4126, 0.4351, 0.3399 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(145, 81, 75)` looks like.

```
.text, #text, p{  
    color:rgb(145, 81, 75)  
}
```

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(145, 81, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 81, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 12.4126, 0.4351, 0.3399 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(145, 81, 75) }
```

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

```
.border{ border-color:rgb(145, 81, 75) }
```

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

Here you see how a box with a 4 pixel rgb(145, 81, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 81, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 81, 75);  
box-shadow:4px 4px 4px 4px rgb(145, 81,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 12.4126, 0.4351, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 81, 75) }
```

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

```
.background{ background-color: rgb(145, 81,  
75) }
```

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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