

# Converting Colors

$Y_{xy}(27.8748, 0.3433, 0.4143)$

Have a look what the booklet for  
Yxy(27.8748, 0.3433, 0.4143)  
contains.

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# Color

**$\text{Yxy}(27.8011, 0.3436, 0.4146)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	869664
RGB	134, 150, 100
RGB Percent	53%, 59%, 39%
CMY	0.4745, 0.4118, 0.6078
CMYK	0.11, 0.00, 0.33, 0.41
HSL	79°, 20%, 49%
HSV	79°, 33%, 59%
XYZ	23.0402, 27.8011, 16.2140
YIQ	139.5160, 6.5140, -18.9420

# Conversions

## Conversions Part 2

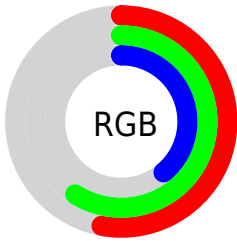
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 150, 116
Decimal	8820324
CIE <sub>Lab</sub>	59.71, -14.57, 24.52
CIE <sub>LCh</sub>	60, 28.526, 120.717
Y <sub>xy</sub>	27.8011, 0.3436, 0.4146
Android (android.graphics.Color)	4287010404 (0xFF869664)
YUV	139.5160, -19.4814, -4.8375
Hunter-Lab	52.7267, -14.2721, 18.6765

# Details

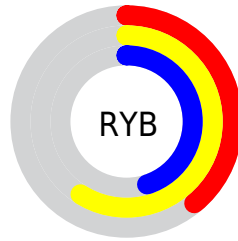
The Yxy color  $27.8011, 0.3436, 0.4146$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $15.0347, 0.2735, 0.2381$ , and the grayscale version is  $26.1049, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $56.1115, 0.3384, 0.3962$ , and  $11.0564, 0.3535, 0.4473$  is the 20% darker color. If you saturate the color by 10%, you get  $27.1525, 0.3518, 0.4416$ , and if you desaturate by 10%, it is  $28.5235, 0.3346, 0.3877$ .

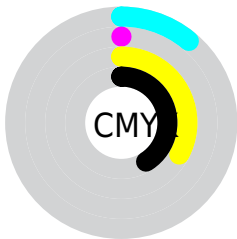
# Distribution



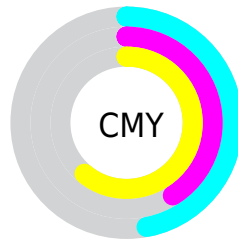
- Red (53%)
- Green (59%)
- Blue (39%)



- Red (39%)
- Yellow (59%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (33%)
- Black (41%)




- Cyan (47%)
- Magenta (41%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8011, 0.3436, 0.4146 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 27.8011, 0.3436, 0.4146 by changing the saturation by 10% instead.




 27.8011, 0.3436,  
0.4146


 27.8011, 0.3436,  
0.4146


291.5153, 0.3278,  
0.3669


 18.1758, 0.3474,  
0.4283


 56.1667, 0.3379,  
0.3960


 11.0763, 0.3521,  
0.4470


 75.6758, 0.3357,  
0.3894

 6.1182, 0.3576,  
0.4738

 99.2483, 0.3339,  
0.3840

 2.9171, 0.3651,  
0.5176

 127.2686, 0.3323,  
0.3795

 1.0886, 0.3795,  
0.6205

160.1210, 0.3310,  
0.3756

 0.0000, 0.0000,  
0.0000

198.1900, 0.3298,

0.3723

241.8600, 0.3288,  
0.3694

■ 27.8011, 0.3436,  
0.4146

■ 27.8011, 0.3436,  
0.4146

■ 27.1525, 0.3518,  
0.4416

■ 28.5235, 0.3346,  
0.3877

■ 26.5710, 0.3588,  
0.4677

■ 29.3190, 0.3252,  
0.3616

■ 26.0541, 0.3641,  
0.4918


■ 30.1916, 0.3158,  
0.3368

■ 25.5982, 0.3673,  
0.5128

■ 31.1439, 0.3066,  
0.3138

■ 25.1989, 0.3681,  
0.5297

■ 32.1783, 0.2978,  
0.2926


 24.8509, 0.3666,  
0.5419

 33.2972, 0.2894,  
0.2732

 24.6379, 0.3648,  
0.5485

 34.5028, 0.2816,  
0.2557

 35.7974, 0.2743,  
0.2399

 37.1828, 0.2676,  
0.2257

# Harmonies

## Analogous

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



27.8011, 0.3840, 0.4053



27.8011, 0.3436, 0.4146



27.8011, 0.2967, 0.3961

# Triad

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



27.8011, 0.3436, 0.4146



27.8011, 0.2271, 0.2724



27.8011, 0.3701, 0.3028

# Complementary

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



27.8011, 0.3436, 0.4146



15.0347, 0.2735, 0.2381

# 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.



27.8011, 0.3236, 0.2731



27.8011, 0.3436, 0.4146



27.8011, 0.2430, 0.2549

# Square

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



27.8011, 0.3436, 0.4146



27.8011, 0.2315, 0.3079



27.8011, 0.2772, 0.2558



27.8011, 0.4012, 0.3396



# Rectangle

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



27.8011, 0.3436, 0.4146



27.8011, 0.2683, 0.3700



27.8011, 0.2772, 0.2558



27.8011, 0.3556, 0.2919

# Sweetspot

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



27.8023, 0.3436, 0.4146



52.2076, 0.3223, 0.3537



19.8606, 0.3786, 0.3562



11.5277, 0.3235, 0.3569



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



27.8023, 0.3436, 0.4146



48.1970, 0.3498, 0.4348



25.9961, 0.3172, 0.4221



6.6526, 0.3213, 0.3512



20.4520, 0.3652, 0.5482



0.2662, 0.3914, 0.5274



# Inverse Universe

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



15.0347, 0.2735, 0.2381



22.1113, 0.2624, 0.2149



16.9693, 0.3046, 0.2459



5.7177, 0.3036, 0.3065



2.3630, 0.1749, 0.0737



0.0434, 0.2217, 0.0995



# Previews

## White Background



This preview shows how the Yxy color 27.8011, 0.3436, 0.4146 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 27.8011, 0.3436, 0.4146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

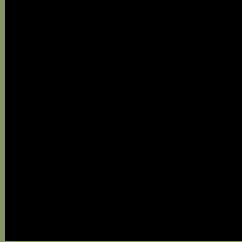
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.8011, 0.3436, 0.4146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.8011, 0.3436, 0.4146.



This preview shows how white text looks on a background with the Yxy color 27.8011, 0.3436, 0.4146.

# 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

27.8011, 0.3436, 0.4146

### Protanopia

27.7781, 0.3731, 0.4041

### Deuteranopia

27.8142, 0.3889, 0.3818



## Tritanopia

27.6742, 0.2991, 0.3098

# Trichromacy



## Original Color

27.8011, 0.3436, 0.4146

## Protanomaly

27.6427, 0.3618, 0.4080

## Deuteranomaly

27.5744, 0.3725, 0.3925

## Tritanomaly

27.7103, 0.3150, 0.3473

# Monochromacy



## Original Color

27.8011, 0.3436, 0.4146

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

26.8305, 0.3251, 0.3611

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.8011, 0.3436, 0.4146 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(134, 150, 100)` looks like.

```
.text, #text, p{  
    color:rgb(134, 150, 100)  
}
```

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(134, 150, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 150, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 27.8011, 0.3436, 0.4146 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(134, 150, 100) }
```

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

```
.border{ border-color:rgb(134, 150, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 150, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 150, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 150, 100);  
box-shadow:4px 4px 4px 4px rgb(134, 150,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.8011, 0.3436, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 150, 100) }
```

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

```
.background{ background-color: rgb(134,  
150, 100) }
```

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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