

# Converting Colors

$Y_{xy}(26.1025, 0.3415, 0.4075)$

Have a look what the booklet for  
Yxy(26.1025, 0.3415, 0.4075)  
contains.

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**Color**

**Yxy(26.0157, 0.3410, 0.4063)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	839165
RGB	131, 145, 101
RGB Percent	51%, 57%, 40%
CMY	0.4863, 0.4314, 0.6039
CMYK	0.10, 0.00, 0.30, 0.43
HSL	79°, 18%, 48%
HSV	79°, 30%, 57%
XYZ	21.8345, 26.0157, 16.1806
YIQ	135.7980, 5.7800, -16.6520

# Conversions

## Conversions Part 2

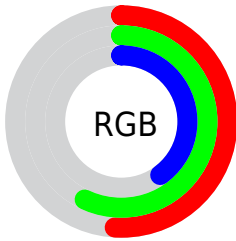
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	101, 145, 115
Decimal	8622437
CIE <sub>Lab</sub>	58.05, -12.97, 21.74
CIE <sub>LCh</sub>	58, 25.313, 120.812
Yxy	26.0157, 0.3410, 0.4063
Android (android.graphics.Color)	4286812517 (0xFF839165)
YUV	135.7980, -17.1554, -4.2078
Hunter-Lab	51.0056, -12.8474, 16.8953

# Details

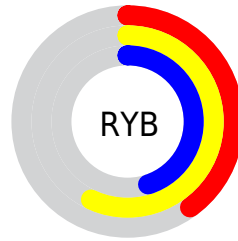
The Yxy color  $26.0157, 0.3410, 0.4063$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $14.9949, 0.2777, 0.2473$ , and the grayscale version is  $24.6053, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $53.3042, 0.3354, 0.3898$ , and  $10.2001, 0.3486, 0.4363$  is the 20% darker color. If you saturate the color by 10%, you get  $25.3971, 0.3495, 0.4333$ , and if you desaturate by 10%, it is  $26.7032, 0.3318, 0.3797$ .

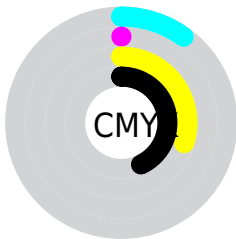
# Distribution



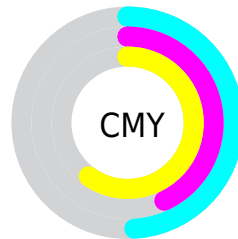
- Red (51%)
- Green (57%)
- Blue (40%)



- Red (40%)
- Yellow (57%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (43%)




- Cyan (49%)
- Magenta (43%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0157, 0.3410, 0.4063 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 26.0157, 0.3410, 0.4063 by changing the saturation by 10% instead.





 26.0157, 0.3410,  
0.4063


 26.0157, 0.3410,  
0.4063

282.8591, 0.3263,  
0.3629


 16.8354, 0.3447,  
0.4190


 53.3003, 0.3356,  
0.3892

 10.1172, 0.3494,  
0.4365


 72.1733, 0.3336,  
0.3832

 5.4767, 0.3551,  
0.4620

 95.0461, 0.3319,  
0.3783

 2.5296, 0.3638,  
0.5052

 122.3029, 0.3304,  
0.3742

 0.8914, 0.3732,  
0.6268

154.3283, 0.3292,  
0.3707

 0.0000, 0.0000,  
0.0000

191.5065, 0.3281,

0.3677

234.2220, 0.3271,  
0.3651

■ 26.0157, 0.3410,  
0.4063

■ 26.0157, 0.3410,  
0.4063

■ 25.3971, 0.3495,  
0.4333

■ 26.7032, 0.3318,  
0.3797

■ 24.8410, 0.3570,  
0.4597

■ 27.4587, 0.3224,  
0.3540

■ 24.3455, 0.3629,  
0.4844


■ 28.2859, 0.3130,  
0.3298


■ 23.9073, 0.3668,  
0.5064

■ 29.1872, 0.3039,  
0.3074

■ 23.5224, 0.3684,  
0.5246

■ 30.1647, 0.2952,  
0.2868


 23.1865, 0.3676,  
0.5382

 31.2207, 0.2870,  
0.2680

 22.8975, 0.3653,  
0.5482

 32.3570, 0.2794,  
0.2510

 33.5758, 0.2723,  
0.2357

 34.8788, 0.2657,  
0.2220

# Harmonies

## Analogous

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



26.0157, 0.3776, 0.3987



26.0157, 0.3410, 0.4063



26.0157, 0.2983, 0.3893

# Triad

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



26.0157, 0.3410, 0.4063



26.0157, 0.2344, 0.2776



26.0157, 0.3649, 0.3054

# Complementary

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



26.0157, 0.3410, 0.4063



14.9949, 0.2777, 0.2473

# 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.



26.0157, 0.3229, 0.2779



26.0157, 0.3410, 0.4063



26.0157, 0.2492, 0.2613

# Square

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



26.0157, 0.3410, 0.4063



26.0157, 0.2385, 0.3101



26.0157, 0.2807, 0.2620



26.0157, 0.3929, 0.3392



# Rectangle

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



26.0157, 0.3410, 0.4063



26.0157, 0.2723, 0.3659



26.0157, 0.2807, 0.2620



26.0157, 0.3518, 0.2952

# Sweetspot

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



26.0168, 0.3410, 0.4063



49.3378, 0.3213, 0.3511



19.2050, 0.3710, 0.3536



10.9341, 0.3226, 0.3544



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.



26.0168, 0.3410, 0.4063



45.8664, 0.3466, 0.4236



24.4464, 0.3170, 0.4124



6.2006, 0.3213, 0.3511



19.6533, 0.3656, 0.5479



0.1997, 0.3916, 0.5273



# Inverse Universe

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



14.9949, 0.2777, 0.2473



23.0638, 0.2685, 0.2278



16.6634, 0.3056, 0.2537



5.3331, 0.3036, 0.3066



2.2669, 0.1748, 0.0737



0.0325, 0.2213, 0.0993



# Previews

## White Background



This preview shows how the Yxy color 26.0157, 0.3410, 0.4063 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 26.0157, 0.3410, 0.4063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

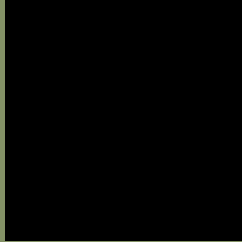
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0157, 0.3410, 0.4063**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.0157, 0.3410, 0.4063.



This preview shows how white text looks on a background with the Yxy color 26.0157, 0.3410, 0.4063.

# 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

26.0157, 0.3410, 0.4063

### Protanopia

25.8501, 0.3677, 0.3950

### Deuteranopia

25.9220, 0.3828, 0.3776



## Tritanopia

26.0705, 0.3008, 0.3109

# Trichromacy



## Original Color

26.0157, 0.3410, 0.4063

## Protanomaly

25.8095, 0.3574, 0.3984

## Deuteranomaly

25.8117, 0.3674, 0.3881

## Tritanomaly

25.8666, 0.3152, 0.3443

# Monochromacy



## Original Color

26.0157, 0.3410, 0.4063

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

24.9636, 0.3236, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0157, 0.3410, 0.4063 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(131, 145, 101)` looks like.

```
.text, #text, p{  
    color:rgb(131, 145, 101)  
}
```

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(131, 145, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 145, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0157, 0.3410, 0.4063 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(131, 145, 101) }
```

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

```
.border{ border-color:rgb(131, 145, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 145, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 145, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 145, 101);  
box-shadow:4px 4px 4px 4px rgb(131, 145,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0157, 0.3410, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 145, 101) }
```

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

```
.background{ background-color: rgb(131,  
145, 101) }
```

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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