

# Converting Colors

$Y_{xy}(26.3651, 0.3316, 0.3975)$

Have a look what the booklet for  
Yxy(26.3651, 0.3316, 0.3975)  
contains.

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# Color

**Yxy(26.2864, 0.3326, 0.3977)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81926B
RGB	129, 146, 107
RGB Percent	51%, 57%, 42%
CMY	0.4942, 0.4274, 0.5804
CMYK	0.12, 0.00, 0.27, 0.43
HSL	86°, 15%, 50%
HSV	86°, 27%, 57%
XYZ	21.9835, 26.2864, 17.8261
YIQ	136.4710, 2.3870, -15.7330

# Conversions

## Conversions Part 2

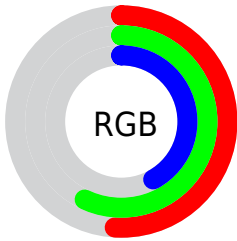
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 146, 124
Decimal	8491627
CIELab	58.31, -13.37, 18.71
CIELCh	58, 22.995, 125.564
Yxy	26.2864, 0.3326, 0.3977
Android (android.graphics.Color)	4286681707 (0xFF81926B)
YUV	136.4710, -14.5292, -6.5521
Hunter-Lab	51.2703, -13.1861, 15.2747

# Details

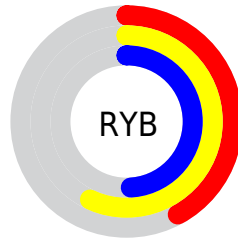
The Yxy color  $26.2864, 0.3326, 0.3977$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $16.8799, 0.2882, 0.2592$ , and the grayscale version is  $24.8607, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $53.7568, 0.3284, 0.3821$ , and  $10.1624, 0.3386, 0.4245$  is the 20% darker color. If you saturate the color by 10%, you get  $25.5220, 0.3394, 0.4258$ , and if you desaturate by 10%, it is  $27.1362, 0.3253, 0.3706$ .

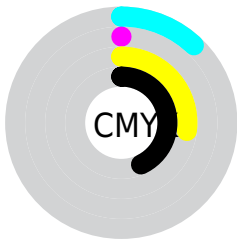
# Distribution



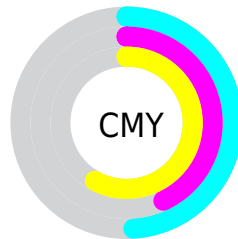
- Red (51%)
- Green (57%)
- Blue (42%)



- Red (42%)
- Yellow (57%)
- Blue (49%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (43%)




- Cyan (49%)
- Magenta (43%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2864, 0.3326, 0.3977 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 26.2864, 0.3326, 0.3977 by changing the saturation by 10% instead.




 26.2864, 0.3326,  
0.3977


 26.2864, 0.3326,  
0.3977


284.1852, 0.3223,  
0.3591

 17.0380, 0.3352,  
0.4090


 53.7366, 0.3288,  
0.3825


 10.2616, 0.3383,  
0.4247


 72.7073, 0.3274,  
0.3772

 5.5728, 0.3423,  
0.4478

 95.6874, 0.3263,  
0.3728

 2.5871, 0.3467,  
0.4848

 123.0615, 0.3252,  
0.3691

 0.9202, 0.3731,  
0.6269

155.2140, 0.3244,  
0.3661

 0.0000, 0.0000,  
0.0000

192.5291, 0.3236,

0.3634

235.3914, 0.3229,  
0.3611

■ 26.2864, 0.3326,  
0.3977

■ 26.2864, 0.3326,  
0.3977

■ 25.5220, 0.3394,  
0.4258

■ 27.1362, 0.3253,  
0.3706

■ 24.8363, 0.3453,  
0.4542

■ 28.0708, 0.3178,  
0.3451

■ 24.2271, 0.3498,  
0.4816

■ 29.0943, 0.3103,  
0.3215

■ 23.6907, 0.3525,  
0.5070

■ 30.2093, 0.3030,  
0.2998

■ 23.2229, 0.3532,  
0.5289

■ 31.4183, 0.2960,  
0.2803

■ 22.8191, 0.3516,  
0.5463

■ 32.7238, 0.2895,  
0.2626

■ 22.4720, 0.3481,  
0.5590

■ 34.1281, 0.2833,  
0.2468

■ 22.3657, 0.3468,  
0.5628

■ 35.6334, 0.2776,  
0.2326

■ 37.2420, 0.2723,  
0.2200

# Harmonies

## Analogous

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



26.2864, 0.3673, 0.3946



26.2864, 0.3326, 0.3977



26.2864, 0.2940, 0.3788

# Triad

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



26.2864, 0.3326, 0.3977



26.2864, 0.2423, 0.2791



26.2864, 0.3651, 0.3123

# Complementary

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



26.2864, 0.3326, 0.3977



16.8799, 0.2882, 0.2592

# 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.



26.2864, 0.3285, 0.2858



26.2864, 0.3326, 0.3977



26.2864, 0.2586, 0.2664

# Square

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



26.2864, 0.3326, 0.3977



26.2864, 0.2434, 0.3067



26.2864, 0.2894, 0.2693



26.2864, 0.3874, 0.3437



# Rectangle

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



26.2864, 0.3326, 0.3977



26.2864, 0.2712, 0.3565



26.2864, 0.2894, 0.2693



26.2864, 0.3539, 0.3026

# Sweetspot

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



26.2875, 0.3326, 0.3977



49.2651, 0.3189, 0.3487



21.5654, 0.3606, 0.3582



10.9075, 0.3199, 0.3521



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.



26.2875, 0.3326, 0.3977



45.5494, 0.3367, 0.4143



24.9119, 0.3119, 0.4023



6.6199, 0.3196, 0.3513



19.6927, 0.3472, 0.5626



0.2585, 0.3794, 0.5370



# Inverse Universe

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



16.8799, 0.2882, 0.2592



26.1193, 0.2815, 0.2421



18.4683, 0.3124, 0.2641



5.7494, 0.3053, 0.3066



2.7910, 0.1930, 0.0837



0.0511, 0.2429, 0.1112



# Previews

## White Background



This preview shows how the Yxy color 26.2864, 0.3326, 0.3977 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 26.2864, 0.3326, 0.3977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

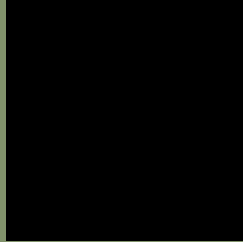
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.2864, 0.3326, 0.3977**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.2864, 0.3326, 0.3977.



This preview shows how white text looks on a background with the Yxy color 26.2864, 0.3326, 0.3977.

# 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

26.2864, 0.3326, 0.3977

### Protanopia

26.2397, 0.3619, 0.3884

### Deuteranopia

26.0468, 0.3760, 0.3682



## Tritanopia

26.1414, 0.2967, 0.3108

# Trichromacy



## Original Color

26.2864, 0.3326, 0.3977

## Protanomaly

26.1167, 0.3507, 0.3917

## Deuteranomaly

25.8390, 0.3597, 0.3784

## Tritanomaly

26.0818, 0.3100, 0.3409

# Monochromacy



## Original Color

26.2864, 0.3326, 0.3977

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

25.2234, 0.3202, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2864, 0.3326, 0.3977 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, 146, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 146, 107)  
}
```

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, 146, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 146, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2864, 0.3326, 0.3977 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, 146, 107) }
```

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

```
.border{ border-color:rgb(129, 146, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 146, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 146, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 146, 107); box-shadow:4px 4px 4px 4px rgb(129, 146, 107) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2864, 0.3326, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 146, 107) }
```

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

```
.background{ background-color: rgb(129,  
146, 107) }
```

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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