

# Converting Colors

$Yxy(26.3461, 0.2557, 0.3568)$

Have a look what the booklet for  
Yxy(26.3461, 0.2557, 0.3568)  
contains.

<b>Yxy(26.3530, 0.2561, 0.3573)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**$Y_{xy}(26.3530, 0.2561, 0.3573)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	489A8B
RGB	72, 154, 139
RGB Percent	28%, 60%, 55%
CMY	0.7176, 0.3961, 0.4549
CMYK	0.53, 0.00, 0.10, 0.40
HSL	169°, 36%, 44%
HSV	169°, 53%, 60%
XYZ	18.8889, 26.3530, 28.5140
YIQ	127.7720, -44.0570, -22.0490

# Conversions

## Conversions Part 2

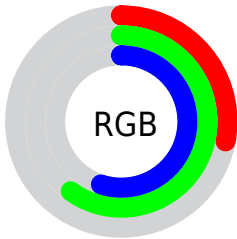
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 117, 154
Decimal	4758155
CIE Lab	58.37, -28.78, 0.27
CIE LCh	58, 28.782, 179.465
Yxy	26.3530, 0.2561, 0.3573
Android (android.graphics.Color)	4282948235 (0xFF489A8B)
YUV	127.7720, 5.5354, -48.9120
Hunter-Lab	51.3352, -24.1571, 3.0021

# Details

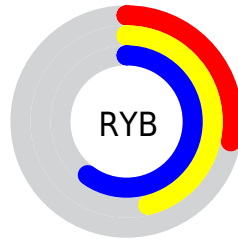
The Yxy color **26.3530, 0.2561, 0.3573** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1964, 0.4339, 0.3047**, and the grayscale version is **21.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9187, 0.2682, 0.3522**, and **10.2305, 0.2356, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **25.7529, 0.2496, 0.3636**, and if you desaturate by 10%, it is **27.1056, 0.2643, 0.3512**.

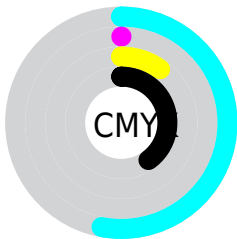
# Distribution



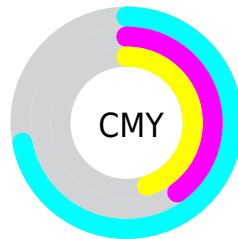
- Red (28%)
- Green (60%)
- Blue (55%)



- Red (28%)
- Yellow (46%)
- Blue (60%)



- Cyan (53%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)




- Cyan (72%)
- Magenta (40%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3530, 0.2561, 0.3573 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 26.3530, 0.2561, 0.3573 by changing the saturation by 10% instead.




 26.3530, 0.2561,  
0.3573


 26.3530, 0.2561,  
0.3573


284.5107, 0.2869,  
0.3419


 17.0879, 0.2475,  
0.3616


 53.8439, 0.2680,  
0.3514


 10.2972, 0.2358,  
0.3675


 72.8385, 0.2722,  
0.3492


 5.5964, 0.2191,  
0.3759

 95.8450, 0.2757,  
0.3475

 2.6013, 0.1934,  
0.3889

 123.2478, 0.2787,  
0.3460

 0.9273, 0.0850,  
0.4424

 155.4314, 0.2812,  
0.3447

 0.0000, 0.0000,  
0.0000

192.7802, 0.2834,

0.3437

235.6785, 0.2853,  
0.3427

■ 26.3530, 0.2561,  
0.3573

■ 26.3530, 0.2561,  
0.3573

■ 25.7529, 0.2496,  
0.3636

■ 27.1056, 0.2643,  
0.3512

■ 25.2908, 0.2449,  
0.3700

■ 28.0177, 0.2739,  
0.3454

■ 24.9550, 0.2421,  
0.3765

■ 29.0995, 0.2846,  
0.3400

■ 24.7299, 0.2410,  
0.3830

■ 30.3597, 0.2963,  
0.3350

■ 24.6130, 0.2409,  
0.3874

■ 31.8062, 0.3086,  
0.3304

■ 33.4464, 0.3214,  
0.3262

■ 35.2875, 0.3342,  
0.3225

■ 37.3361, 0.3471,  
0.3192

■ 39.5986, 0.3598,  
0.3163

# Harmonies

## Analogous

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



26.3530, 0.2982, 0.3994



26.3530, 0.2561, 0.3573



26.3530, 0.2301, 0.3091

# Triad

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



26.3530, 0.2561, 0.3573



26.3530, 0.2745, 0.2537



26.3530, 0.4088, 0.3762

# Complementary

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



26.3530, 0.2561, 0.3573



12.1964, 0.4339, 0.3047

# 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.



26.3530, 0.4028, 0.3381



26.3530, 0.2561, 0.3573



26.3530, 0.3217, 0.2707

# Square

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



26.3530, 0.2561, 0.3573



26.3530, 0.2402, 0.2534



26.3530, 0.3699, 0.3007



26.3530, 0.3872, 0.4064



# Rectangle

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



26.3530, 0.2561, 0.3573



26.3530, 0.2242, 0.2825



26.3530, 0.3699, 0.3007



26.3530, 0.4100, 0.3639

# Sweetspot

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



26.3540, 0.2561, 0.3573



54.4076, 0.2926, 0.3365



25.6085, 0.3175, 0.4881



12.2149, 0.2904, 0.3375



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



26.3540, 0.2561, 0.3573



46.5895, 0.2485, 0.3649



19.1608, 0.2359, 0.2785



7.0071, 0.3012, 0.3331



20.0573, 0.2408, 0.3869



0.3043, 0.2328, 0.3582



# Inverse Universe

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



12.1964, 0.4339, 0.3047



18.0293, 0.4798, 0.3016



16.0704, 0.4369, 0.3722



6.2402, 0.3256, 0.3249



5.6703, 0.6072, 0.3119

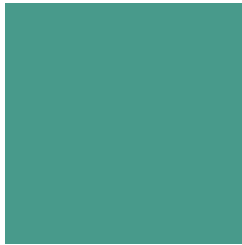


0.0888, 0.5168, 0.2621



# Previews

## White Background



This preview shows how the Yxy color 26.3530, 0.2561, 0.3573 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 26.3530, 0.2561, 0.3573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

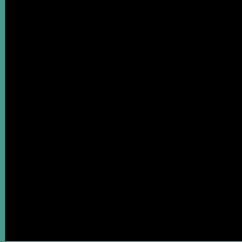
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3530, 0.2561, 0.3573**

## Background



This preview shows how black text looks on a background with the Yxy color 26.3530, 0.2561, 0.3573.

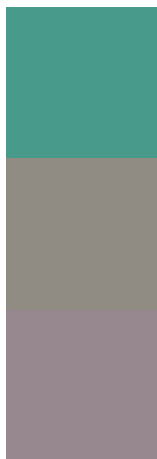


This preview shows how white text looks on a background with the Yxy color 26.3530, 0.2561, 0.3573.

# 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

26.3530, 0.2561, 0.3573

### Protanopia

26.0332, 0.3265, 0.3423

### Deuteranopia

25.8904, 0.3223, 0.3162



## Tritanopia

26.4830, 0.2437, 0.3075

# Trichromacy



## Original Color

26.3530, 0.2561, 0.3573

## Protanomaly

25.5193, 0.2955, 0.3467

## Deuteranomaly

25.4366, 0.2920, 0.3289

## Tritanomaly

26.3673, 0.2481, 0.3252

# Monochromacy



## Original Color

26.3530, 0.2561, 0.3573

## Achromatopsia

21.5861, 0.3127, 0.3290

## Achromatomaly

22.7454, 0.2869, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.3530, 0.2561, 0.3573 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(72, 154, 139)` looks like.

```
.text, #text, p{  
  color:rgb(72, 154, 139)  
}
```

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(72, 154, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 154, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3530, 0.2561, 0.3573 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(72, 154, 139) }
```

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

```
.border{ border-color:rgb(72, 154, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 154, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 154, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 154, 139);  
box-shadow:4px 4px 4px 4px rgb(72, 154,  
139) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 26.3530, 0.2561, 0.3573$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 154, 139) }
```

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

```
.background{ background-color: rgb(72, 154,  
139) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor