

# Converting Colors

$Y_{xy}(24.8352, 0.2570, 0.3355)$

Have a look what the booklet for  
Yxy(24.8352, 0.2570, 0.3355)  
contains.

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# Color

**Yxy(24.9873, 0.2571, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	529490
RGB	82, 148, 144
RGB Percent	32%, 58%, 56%
CMY	0.6786, 0.4196, 0.4352
CMYK	0.45, 0.00, 0.03, 0.42
HSL	176°, 29%, 45%
HSV	176°, 45%, 58%
XYZ	19.1027, 24.9873, 30.2106
YIQ	127.8100, -38.0520, -15.2360

# Conversions

## Conversions Part 2

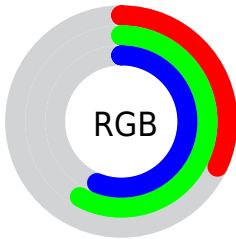
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 116, 148
Decimal	5411984
CIE Lab	57.06, -22.05, -4.47
CIE LCh	57, 22.497, 191.473
Yxy	24.9873, 0.2571, 0.3363
Android (android.graphics.Color)	4283602064 (0xFF529490)
YUV	127.8100, 7.9817, -40.1754
Hunter-Lab	49.9873, -19.2638, -0.8418

# Details

The Yxy color **24.9873, 0.2571, 0.3363** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.9971, 0.4194, 0.3224**, and the grayscale version is **21.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5525, 0.2689, 0.3343**, and **9.5772, 0.2368, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **24.3679, 0.2482, 0.3382**, and if you desaturate by 10%, it is **25.7520, 0.2676, 0.3345**.

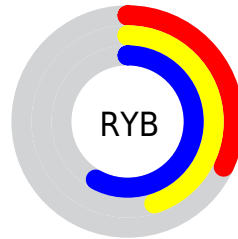
# Distribution



Red (32%)

Green (58%)

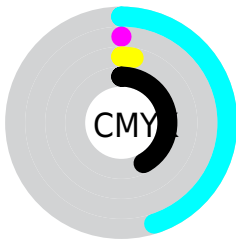
Blue (56%)



Red (32%)

Yellow (45%)

Blue (58%)

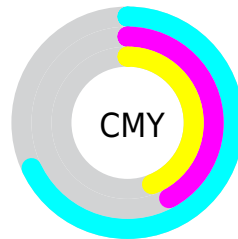


Cyan (45%)

Magenta (0%)

Yellow (3%)

Black (42%)



Cyan (68%)

Magenta (42%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9873, 0.2571, 0.3363 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 24.9873, 0.2571, 0.3363 by changing the saturation by 10% instead.




 24.9873, 0.2571,  
0.3363


 24.9873, 0.2571,  
0.3363


277.7747, 0.2874,  
0.3327


 16.0676, 0.2486,  
0.3371


 51.6366, 0.2688,  
0.3350


 9.5720, 0.2371,  
0.3381


 70.1350, 0.2730,  
0.3346


 5.1161, 0.2206,  
0.3392

 92.5951, 0.2764,  
0.3341

 2.3156, 0.1953,  
0.3401

 119.4013, 0.2793,  
0.3338

 0.7819, 0.0947,  
0.3611

 150.9379, 0.2818,  
0.3335

 0.0000, 0.0000,  
0.0000

187.5895, 0.2839,

0.3332

229.7402, 0.2858,  
0.3329

■ 24.9873, 0.2571,  
0.3363

■ 24.9873, 0.2571,  
0.3363

■ 24.3679, 0.2482,  
0.3382

■ 25.7520, 0.2676,  
0.3345

■ 23.8816, 0.2411,  
0.3401

■ 26.6674, 0.2794,  
0.3328

■ 23.5188, 0.2358,  
0.3421


■ 27.7425, 0.2923,  
0.3311

■ 23.2678, 0.2323,  
0.3441

■ 28.9844, 0.3061,  
0.3296


■ 23.1135, 0.2304,  
0.3460


■ 30.4001, 0.3205,  
0.3283

 23.0480, 0.2298,  
0.3471

 31.9958, 0.3352,  
0.3271

 33.7778, 0.3500,  
0.3260

 35.7519, 0.3646,  
0.3250

 37.9236, 0.3790,  
0.3242

# Harmonies

## Analogous

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



24.9873, 0.2869, 0.3726



24.9873, 0.2571, 0.3363



24.9873, 0.2421, 0.3004

# Triad

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



24.9873, 0.2571, 0.3363



24.9873, 0.2968, 0.2718



24.9873, 0.3850, 0.3787

# Complementary

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



24.9873, 0.2571, 0.3363



12.9971, 0.4194, 0.3224

# 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.



24.9873, 0.3889, 0.3499



24.9873, 0.2571, 0.3363



24.9873, 0.3361, 0.2905

# Square

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



24.9873, 0.2571, 0.3363



24.9873, 0.2639, 0.2661



24.9873, 0.3707, 0.3183



24.9873, 0.3611, 0.3965



# Rectangle

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



24.9873, 0.2571, 0.3363



24.9873, 0.2418, 0.2823



24.9873, 0.3707, 0.3183



24.9873, 0.3888, 0.3699

# Sweetspot

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



24.9883, 0.2571, 0.3363



49.2265, 0.2942, 0.3309



23.7863, 0.3104, 0.4619



11.1417, 0.2914, 0.3312



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.



24.9883, 0.2571, 0.3363



42.9479, 0.2479, 0.3383



17.2171, 0.2447, 0.2724



6.5563, 0.2997, 0.3303



19.6865, 0.2297, 0.3470



0.2424, 0.2270, 0.3371



# Inverse Universe

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



12.9971, 0.4194, 0.3224



18.8960, 0.4601, 0.3212



18.1834, 0.4034, 0.3786



5.8207, 0.3273, 0.3277



5.3959, 0.6311, 0.3250

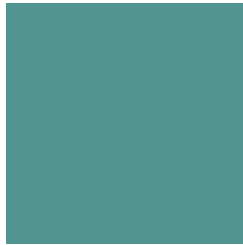


0.0672, 0.5905, 0.3026



# Previews

## White Background



This preview shows how the Yxy color 24.9873, 0.2571, 0.3363 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 24.9873, 0.2571, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

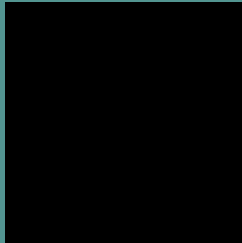
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.9873, 0.2571, 0.3363**

## Background



This preview shows how black text looks on a background with the Yxy color 24.9873, 0.2571, 0.3363.



This preview shows how white text looks on a background with the Yxy color 24.9873, 0.2571, 0.3363.

# 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

24.9873, 0.2571, 0.3363

### Protanopia

24.8177, 0.3139, 0.3273

### Deuteranopia

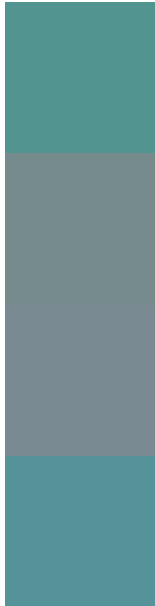
24.5384, 0.3105, 0.3045



## Tritanopia

25.0048, 0.2492, 0.3072

# Trichromacy



## Original Color

24.9873, 0.2571, 0.3363

## Protanomaly

24.5012, 0.2898, 0.3289

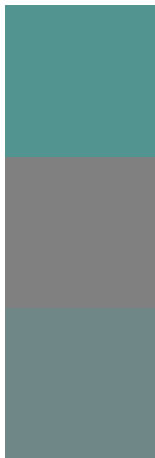
## Deuteranomaly

24.3172, 0.2871, 0.3150

## Tritanomaly

25.0986, 0.2524, 0.3179

# Monochromacy



## Original Color

24.9873, 0.2571, 0.3363

## Achromatopsia

21.5861, 0.3127, 0.3290

## Achromatomaly

22.4287, 0.2879, 0.3308

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9873, 0.2571, 0.3363 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(82, 148, 144)` looks like.

```
.text, #text, p{  
  color:rgb(82, 148, 144)  
}
```

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(82, 148, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 148, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9873, 0.2571, 0.3363 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(82, 148, 144) }
```

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

```
.border{ border-color:rgb(82, 148, 144) }
```

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

Here you see how a box with a 4 pixel rgb(82, 148, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 148, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 148, 144);  
box-shadow:4px 4px 4px 4px rgb(82, 148,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9873, 0.2571, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 148, 144) }
```

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

```
.background{ background-color: rgb(82, 148,  
144) }
```

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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