

# Converting Colors

$Y_{xy}(24.3852, 0.2539, 0.3716)$

Have a look what the booklet for  
Yxy(24.3852, 0.2539, 0.3716)  
contains.

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# Color

**$Y_{xy}(24.2972, 0.2537, 0.3710)$**

# Conversions

Conversions Part 1	
Format	Color
Hex	3A9681
RGB	58, 150, 129
RGB Percent	23%, 59%, 51%
CMY	0.7724, 0.4118, 0.4942
CMYK	0.61, 0.00, 0.14, 0.41
HSL	166°, 44%, 41%
HSV	166°, 61%, 59%
XYZ	16.6151, 24.2972, 24.5788
YIQ	120.0980, -48.0910, -26.0350

# Conversions

## Conversions Part 2

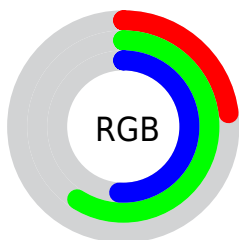
Format	Color
<a href="#">RYB</a>	<a href="#">58, 110, 150</a>
Decimal	<a href="#">3839617</a>
CIELab	<a href="#">56.38, -32.43, 3.02</a>
CIELCh	<a href="#">56, 32.571, 174.673</a>
Yxy	<a href="#">24.2972, 0.2537, 0.3710</a>
Android (android.graphics.Color)	<a href="#">4282029697</a> (0xFF3A9681)
YUV	<a href="#">120.0980, 4.3887, -54.4599</a>
Hunter-Lab	<a href="#">49.2922, -26.0937, 4.9405</a>

# Details

The Yxy color **24.2972, 0.2537, 0.3710** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0805, 0.4544, 0.2954**, and the grayscale version is **18.8169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6849, 0.2666, 0.3618**, and **9.3146, 0.2402, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **23.8222, 0.2490, 0.3792**, and if you desaturate by 10%, it is **24.9082, 0.2602, 0.3631**.

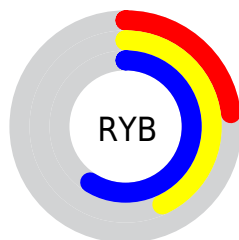
# Distribution



Red (23%)

Green (59%)

Blue (51%)



Red (23%)

Yellow (43%)

Blue (59%)

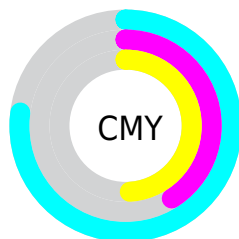


Cyan (61%)

Magenta (0%)

Yellow (14%)

Black (41%)



Cyan (77%)

Magenta (41%)

Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2972, 0.2537, 0.3710 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 24.2972, 0.2537, 0.3710 by changing the saturation by 10% instead.





 24.2972, 0.2537,  
0.3710


 24.2972, 0.2537,  
0.3710


274.3196, 0.2864,  
0.3474


 15.5542, 0.2443,  
0.3779


 50.5148, 0.2665,  
0.3617

 9.2093, 0.2314,  
0.3876


 68.7581, 0.2710,  
0.3585

 4.8779, 0.2126,  
0.4019


 90.9371, 0.2747,  
0.3558

 2.1758, 0.1829,  
0.4253

 117.4360, 0.2778,  
0.3536

 0.7068, 0.0000,  
0.5587

 148.6394, 0.2804,  
0.3517

 0.0000, 0.0000,  
0.0000

184.9315, 0.2827,

0.3501


226.6968, 0.2847,  
0.3487

 24.2972, 0.2537,  
0.3710


 24.2972, 0.2537,  
0.3710


 23.8222, 0.2490,  
0.3792


 24.9082, 0.2602,  
0.3631


 23.4685, 0.2461,  
0.3874


 25.6627, 0.2683,  
0.3554

 23.2232, 0.2451,  
0.3957

 26.5710, 0.2777,  
0.3482

 23.0670, 0.2452,  
0.4028

 27.6415, 0.2881,  
0.3415

 28.8823, 0.2994,  
0.3353

■ 30.3006, 0.3112,  
0.3297

■ 31.9035, 0.3232,  
0.3246

■ 33.6974, 0.3354,  
0.3201

■ 35.6887, 0.3475,  
0.3160

# Harmonies

## Analogous

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



24.2972, 0.3039, 0.4177



24.2972, 0.2537, 0.3710



24.2972, 0.2210, 0.3135

# Triad

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



24.2972, 0.2537, 0.3710



24.2972, 0.2608, 0.2414



24.2972, 0.4254, 0.3754

# Complementary

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



24.2972, 0.2537, 0.3710



10.0805, 0.4544, 0.2954

# 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.



24.2972, 0.4134, 0.3314



24.2972, 0.2537, 0.3710



24.2972, 0.3135, 0.2581

# Square

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



24.2972, 0.2537, 0.3710



24.2972, 0.2251, 0.2439



24.2972, 0.3708, 0.2900



24.2972, 0.4043, 0.4132



# Rectangle

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



24.2972, 0.2537, 0.3710



24.2972, 0.2119, 0.2810



24.2972, 0.3708, 0.2900



24.2972, 0.4252, 0.3609

# Sweetspot

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



24.2982, 0.2537, 0.3710



49.3949, 0.2914, 0.3397



23.8024, 0.3209, 0.5113



10.8236, 0.2884, 0.3413



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.



24.2982, 0.2537, 0.3710



41.7569, 0.2475, 0.3826



17.8919, 0.2286, 0.2792



6.5398, 0.3018, 0.3341



19.1365, 0.2451, 0.4022



0.2387, 0.2343, 0.3636



# Inverse Universe

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



10.0805, 0.4544, 0.2954



14.3844, 0.5088, 0.2937



12.9108, 0.4693, 0.3694



5.8358, 0.3249, 0.3240



5.4791, 0.5940, 0.3046



0.0709, 0.4935, 0.2492



# Previews

## White Background



This preview shows how the Yxy color 24.2972, 0.2537, 0.3710 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 24.2972, 0.2537, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

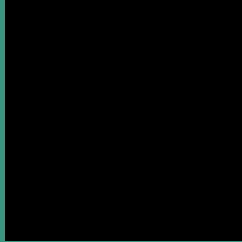
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.2972, 0.2537, 0.3710**

## Background



This preview shows how black text looks on a background with the Yxy color 24.2972, 0.2537, 0.3710.

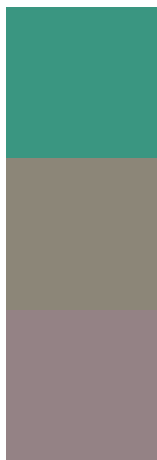


This preview shows how white text looks on a background with the Yxy color 24.2972, 0.2537, 0.3710.

# 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

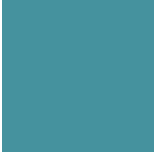
24.2972, 0.2537, 0.3710

### Protanopia

23.9817, 0.3347, 0.3531

### Deuteranopia

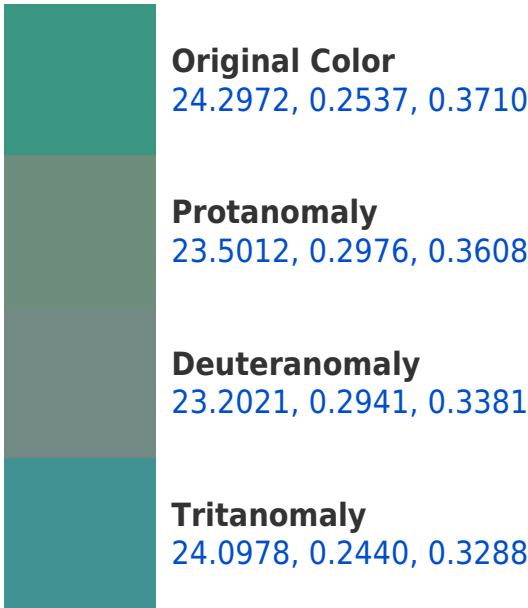
23.9546, 0.3305, 0.3241



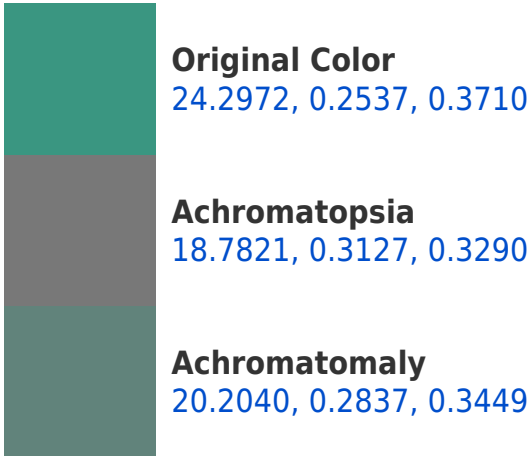
## **Tritanopia**

24.2916, 0.2386, 0.3066

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.2972, 0.2537, 0.3710 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(58, 150, 129) looks like.

```
.text, #text, p{  
    color:rgb(58, 150, 129)  
}
```

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(58, 150, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 150, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 24.2972, 0.2537, 0.3710 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(58, 150, 129) }
```

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

```
.border{ border-color:rgb(58, 150, 129) }
```

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

Here you see how a box with a 4 pixel rgb(58, 150, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 150, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 150, 129);  
box-shadow:4px 4px 4px 4px rgb(58, 150,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.2972, 0.2537, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 150, 129) }
```

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

```
.background{ background-color: rgb(58, 150,  
129) }
```

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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