

# Converting Colors

$Yxy(32.4171, 0.2459, 0.3459)$

Have a look what the booklet for  
Yxy(32.4171, 0.2459, 0.3459)  
contains.

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# Color

**Yxy(32.5165, 0.2460, 0.3462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44AAA0
RGB	68, 170, 160
RGB Percent	27%, 67%, 63%
CMY	0.7330, 0.3333, 0.3727
CMYK	0.60, 0.00, 0.06, 0.33
HSL	174°, 43%, 47%
HSV	174°, 60%, 67%
XYZ	23.1053, 32.5165, 38.3022
YIQ	138.3620, -57.5820, -24.7340

# Conversions

## Conversions Part 2

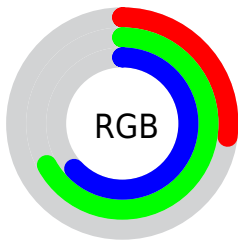
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 122, 170
Decimal	4500128
CIELab	63.77, -31.77, -3.65
CIELCh	64, 31.982, 186.560
Yxy	32.5165, 0.2460, 0.3462
Android (android.graphics.Color)	4282690208 (0xFF44AAA0)
YUV	138.3620, 10.6675, -61.7075
Hunter-Lab	57.0232, -27.4641, 0.0915

# Details

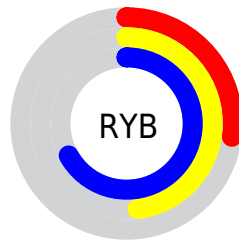
The Yxy color **32.5165, 0.2460, 0.3462** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2408, 0.4769, 0.3153**, and the grayscale version is **25.5433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8110, 0.2591, 0.3429**, and **13.8267, 0.2303, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **31.9337, 0.2401, 0.3495**, and if you desaturate by 10%, it is **33.2798, 0.2537, 0.3429**.

# Distribution



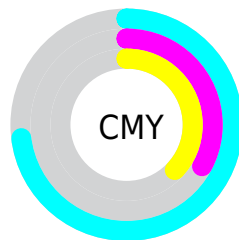
- Red (27%)
- Green (67%)
- Blue (63%)



- Red (27%)
- Yellow (48%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)




- Cyan (73%)
- Magenta (33%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5165, 0.2460, 0.3462 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 32.5165, 0.2460, 0.3462 by changing the saturation by 10% instead.





 32.5165, 0.2460,  
0.3462


 32.5165, 0.2460,  
0.3462


313.4654, 0.2809,  
0.3376


 21.7563, 0.2368,  
0.3483


 63.6199, 0.2590,  
0.3431


 13.6780, 0.2248,  
0.3510


 84.7320, 0.2638,  
0.3419


 7.8970, 0.2083,  
0.3544


 110.0634, 0.2678,  
0.3409

 4.0291, 0.1844,  
0.3589

 139.9986, 0.2712,  
0.3401

 1.6899, 0.1455,  
0.3654

 174.9220, 0.2741,  
0.3393

 0.4171, 0.0000,  
0.3702

215.2180, 0.2767,

 0.0000, 0.0000,

0.3387

0.0000

261.2710, 0.2789,  
0.3381

■ 32.5165, 0.2460,  
0.3462

■ 32.5165, 0.2460,  
0.3462

■ 31.9337, 0.2401,  
0.3495

■ 33.2798, 0.2537,  
0.3429

■ 31.5120, 0.2362,  
0.3529

■ 34.2339, 0.2631,  
0.3398

■ 31.2339, 0.2340,  
0.3562

■ 35.3925, 0.2739,  
0.3368

■ 31.0587, 0.2332,  
0.3595

■ 36.7671, 0.2860,  
0.3340

■ 31.0580, 0.2332,  
0.3595

■ 38.3682, 0.2990,  
0.3314

■ 40.2059, 0.3128,  
0.3290

■ 42.2895, 0.3269,  
0.3268

■ 44.6277, 0.3412,  
0.3249

■ 47.2290, 0.3555,  
0.3232

# Harmonies

## Analogous

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



32.5165, 0.2862, 0.3935



32.5165, 0.2460, 0.3462



32.5165, 0.2241, 0.2976

# Triad

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



32.5165, 0.2460, 0.3462



32.5165, 0.2838, 0.2540



32.5165, 0.4092, 0.3861

# Complementary

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



32.5165, 0.2460, 0.3462



13.2408, 0.4769, 0.3153

# 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.



32.5165, 0.4102, 0.3477



32.5165, 0.2460, 0.3462



32.5165, 0.3343, 0.2751

# Square

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



32.5165, 0.2460, 0.3462



32.5165, 0.2445, 0.2492



32.5165, 0.3820, 0.3083



32.5165, 0.3811, 0.4140



# Rectangle

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



32.5165, 0.2460, 0.3462



32.5165, 0.2214, 0.2728



32.5165, 0.3820, 0.3083



32.5165, 0.4129, 0.3739

# Sweetspot

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



32.5178, 0.2460, 0.3462



67.1557, 0.2881, 0.3336



30.7984, 0.3106, 0.5148



14.8045, 0.2845, 0.3343



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



32.5178, 0.2460, 0.3462



57.6536, 0.2386, 0.3506



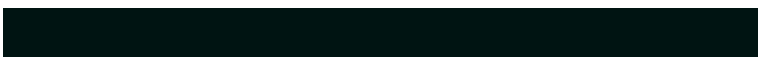
19.8949, 0.2236, 0.2539



8.5191, 0.3000, 0.3312



22.8515, 0.2331, 0.3591



0.5595, 0.2301, 0.3482



# Inverse Universe

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



13.2408, 0.4769, 0.3153



19.5117, 0.5361, 0.3153



19.8683, 0.4521, 0.3892



7.5539, 0.3271, 0.3268



6.3198, 0.6262, 0.3223



0.1574, 0.5732, 0.2931



# Previews

## White Background



This preview shows how the Yxy color 32.5165, 0.2460, 0.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.5165, 0.2460, 0.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

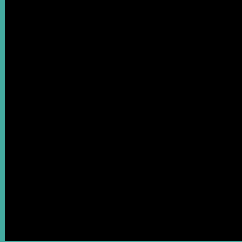
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.5165, 0.2460, 0.3462**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.5165, 0.2460, 0.3462.

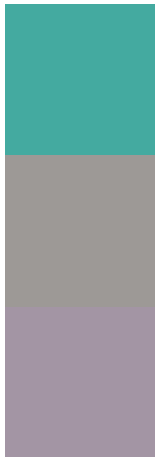


This preview shows how white text looks on a background with the Yxy color 32.5165, 0.2460, 0.3462.

# 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

32.5165, 0.2460, 0.3462

### Protanopia

32.1526, 0.3195, 0.3336

### Deuteranopia

31.9618, 0.3127, 0.3071



## Tritanopia

32.4692, 0.2370, 0.3074

# Trichromacy



**Original Color**

32.5165, 0.2460, 0.3462

**Protanomaly**

31.4893, 0.2857, 0.3371

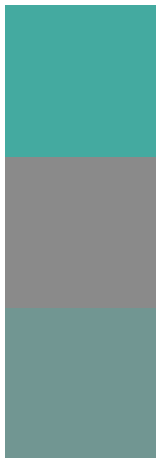
**Deuteranomaly**

31.3475, 0.2809, 0.3193

**Tritanomaly**

32.4389, 0.2399, 0.3204

# Monochromacy



**Original Color**

32.5165, 0.2460, 0.3462

**Achromatopsia**

25.4152, 0.3127, 0.3290

**Achromatomaly**

27.3987, 0.2808, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.5165, 0.2460, 0.3462 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(68, 170, 160)` looks like.

```
.text, #text, p{  
    color:rgb(68, 170, 160)  
}
```

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(68, 170, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 170, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 32.5165, 0.2460, 0.3462 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(68, 170, 160) }
```

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

```
.border{ border-color:rgb(68, 170, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 170, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 170, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 170, 160);  
box-shadow:4px 4px 4px 4px rgb(68, 170,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.5165, 0.2460, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 170, 160) }
```

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

```
.background{ background-color: rgb(68, 170,  
160) }
```

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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