

Converting Colors

$Yxy(33.7066, 0.2429, 0.3588)$

Have a look what the booklet for
Yxy(33.7066, 0.2429, 0.3588)
contains.

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Color

Yxy(33.8243, 0.2432, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	34AF9D
RGB	52, 175, 157
RGB Percent	20%, 69%, 62%
CMY	0.7961, 0.3137, 0.3843
CMYK	0.70, 0.00, 0.10, 0.31
HSL	171°, 54%, 45%
HSV	171°, 70%, 69%
XYZ	22.8312, 33.8243, 37.2227
YIQ	136.1710, -67.5300, -31.6740

Conversions

Conversions Part 2

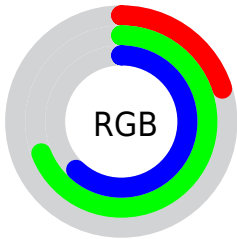
Format	Color
RYB	52, 118, 175
Decimal	3452829
CIELab	64.82, -37.56, -0.49
CIElCh	65, 37.564, 180.755
Yxy	33.8243, 0.2432, 0.3603
Android (android.graphics.Color)	4281642909 (0xFF34AF9D)
YUV	136.1710, 10.2687, -73.8180
Hunter-Lab	58.1587, -31.7045, 2.7643

Details

The Yxy color **33.8243, 0.2432, 0.3603** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.0117, 0.5121, 0.3073**, and the grayscale version is **24.6671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5680, 0.2571, 0.3546**, and **14.9597, 0.2358, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **33.3577, 0.2397, 0.3654**, and if you desaturate by 10%, it is **34.4674, 0.2486, 0.3552**.

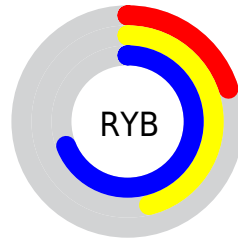
Distribution



Red (20%)

Green (69%)

Blue (62%)



Red (20%)

Yellow (46%)

Blue (69%)

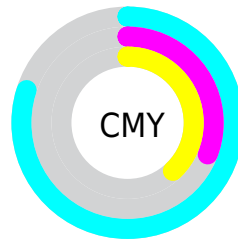


Cyan (70%)

Magenta (0%)

Yellow (10%)

Black (31%)



Cyan (80%)


Magenta (31%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8243, 0.2432, 0.3603 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 33.8243, 0.2432, 0.3603 by changing the saturation by 10% instead.


 33.8243, 0.2432,
0.3603


 33.8243, 0.2432,
0.3603


319.3479, 0.2795,
0.3440


 22.7587, 0.2337,
0.3645


 65.6603, 0.2567,
0.3543


 14.4154, 0.2212,
0.3701


 87.1995, 0.2617,
0.3520


 8.4101, 0.2042,
0.3776


 112.9987, 0.2659,
0.3502

 4.3585, 0.1796,
0.3884

 143.4422, 0.2694,
0.3486

 1.8761, 0.1392,
0.4061

 178.9145, 0.2725,
0.3472

 0.5339, 0.0000,
0.4643

219.8000, 0.2751,

 0.0000, 0.0000,

0.3460

0.0000

266.4830, 0.2774,
0.3450

■ 33.8243, 0.2432,
0.3603

■ 33.8243, 0.2432,
0.3603

■ 33.3577, 0.2397,
0.3654

■ 34.4674, 0.2486,
0.3552

■ 33.0435, 0.2379,
0.3705

■ 35.3003, 0.2559,
0.3502

■ 32.8439, 0.2376,
0.3755

■ 36.3392, 0.2648,
0.3455

■ 37.5976, 0.2752,
0.3409

■ 39.0879, 0.2868,
0.3366

■ 40.8216, 0.2992,
0.3327

■ 42.8093, 0.3123,
0.3291

■ 45.0610, 0.3258,
0.3258

■ 47.5864, 0.3394,
0.3229

Harmonies

Analogous

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



33.8243, 0.2921, 0.4133



33.8243, 0.2432, 0.3603



33.8243, 0.2142, 0.3017

Triad

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



33.8243, 0.2432, 0.3603



33.8243, 0.2690, 0.2409



33.8243, 0.4271, 0.3852

Complementary

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



33.8243, 0.2432, 0.3603



12.0117, 0.5121, 0.3073

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.



33.8243, 0.4221, 0.3404



33.8243, 0.2432, 0.3603



33.8243, 0.3256, 0.2616

Square

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



33.8243, 0.2432, 0.3603



33.8243, 0.2282, 0.2391



33.8243, 0.3835, 0.2968



33.8243, 0.3992, 0.4218

Rectangle

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



33.8243, 0.2432, 0.3603



33.8243, 0.2083, 0.2709



33.8243, 0.3835, 0.2968



33.8243, 0.4294, 0.3707

Sweetspot

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



33.8256, 0.2432, 0.3603



69.6951, 0.2855, 0.3371



32.2280, 0.3125, 0.5441



15.3238, 0.2823, 0.3382



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.8256, 0.2432, 0.3603



59.4172, 0.2385, 0.3681



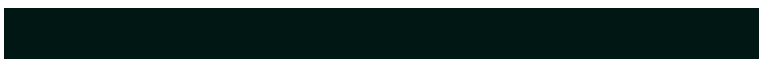
20.3138, 0.2141, 0.2499



9.0516, 0.3005, 0.3323



23.5264, 0.2375, 0.3749



0.6599, 0.2332, 0.3595

Inverse Universe

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



12.0117, 0.5121, 0.3073



17.9761, 0.5749, 0.3109



17.5548, 0.4932, 0.3866



8.0337, 0.3264, 0.3257



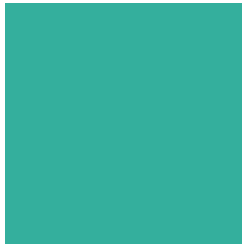
6.5848, 0.6172, 0.3174



0.1889, 0.5507, 0.2808

Previews

White Background



This preview shows how the Yxy color 33.8243, 0.2432, 0.3603 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 33.8243, 0.2432, 0.3603 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 33.8243, 0.2432, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 33.8243, 0.2432, 0.3603.

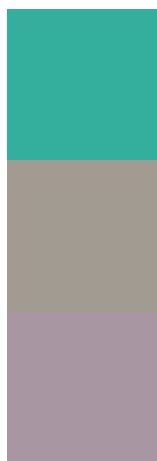


This preview shows how white text looks on a background with the Yxy color 33.8243, 0.2432, 0.3603.

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

33.8243, 0.2432, 0.3603

Protanopia

33.0951, 0.3271, 0.3425

Deuteranopia

33.0667, 0.3195, 0.3132



Tritanopia

33.8219, 0.2319, 0.3060

Trichromacy



Original Color

33.8243, 0.2432, 0.3603



Protanomaly

32.1076, 0.2857, 0.3487



Deuteranomaly

32.1153, 0.2818, 0.3289



Tritanomaly

33.6243, 0.2357, 0.3238

Monochromacy



Original Color

33.8243, 0.2432, 0.3603



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.8296, 0.2755, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8243, 0.2432, 0.3603 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(52, 175, 157)` looks like.

```
.text, #text, p{  
  color:rgb(52, 175, 157)  
}
```

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(52, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 175, 157) }
```

Border

The CSS property to change the border of an element to Yxy 33.8243, 0.2432, 0.3603 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(52, 175, 157) }
```

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

```
.border{ border-color:rgb(52, 175, 157) }
```

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

Here you see how a box with a 4 pixel rgb(52, 175, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(52, 175,  
157) }
```


Background

The CSS property to change the background color of an element to `rgb(52, 175, 157)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 175, 157) }
```

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

```
.background{ background-color: rgb(52, 175,  
157) }
```

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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