

# Converting Colors

$Yxy(32.8661, 0.2400, 0.3492)$

Have a look what the booklet for  
Yxy(32.8661, 0.2400, 0.3492)  
contains.

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# Color

**Yxy(32.8083, 0.2398, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34ACA1
RGB	52, 172, 161
RGB Percent	20%, 67%, 63%
CMY	0.7955, 0.3255, 0.3686
CMYK	0.70, 0.00, 0.06, 0.33
HSL	174°, 53%, 44%
HSV	174°, 70%, 67%
XYZ	22.6076, 32.8083, 38.8609
YIQ	134.8660, -67.9890, -28.8610

# Conversions

## Conversions Part 2

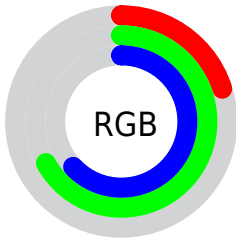
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 115, 172
Decimal	3452065
CIELab	64.01, -35.06, -3.93
CIElCh	64, 35.275, 186.391
Yxy	32.8083, 0.2398, 0.3480
Android (android.graphics.Color)	4281642145 (0xFF34ACA1)
YUV	134.8660, 12.8841, -72.6735
Hunter-Lab	57.2785, -29.7843, -0.1306

# Details

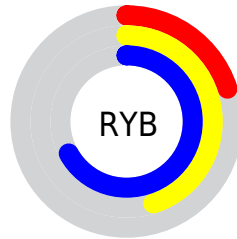
The Yxy color **32.8083, 0.2398, 0.3480** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.5999, 0.5217, 0.3161**, and the grayscale version is **24.1625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0895, 0.2536, 0.3443**, and **14.3194, 0.2309, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **32.3766, 0.2357, 0.3511**, and if you desaturate by 10%, it is **33.4095, 0.2458, 0.3449**.

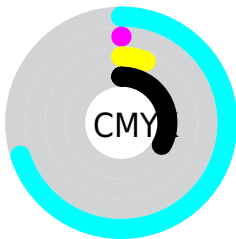
# Distribution



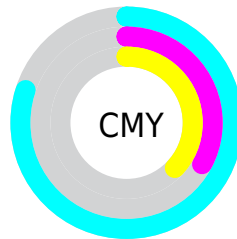
- Red (20%)
- Green (67%)
- Blue (63%)



- Red (20%)
- Yellow (45%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)




- Cyan (80%)
- Magenta (33%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8083, 0.2398, 0.3480 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 32.8083, 0.2398, 0.3480 by changing the saturation by 10% instead.





 32.8083, 0.2398,  
0.3480


 32.8083, 0.2398,  
0.3480


314.7850, 0.2778,  
0.3386


 21.9796, 0.2299,  
0.3503


 64.0761, 0.2540,  
0.3446


 13.8419, 0.2168,  
0.3532


 85.2841, 0.2592,  
0.3433


 8.0108, 0.1991,  
0.3568


 110.7206, 0.2635,  
0.3422

 4.1019, 0.1738,  
0.3615

 140.7700, 0.2672,  
0.3413

 1.7307, 0.1316,  
0.3686

 175.8168, 0.2704,  
0.3405

 0.4434, 0.0000,  
0.3693

216.2453, 0.2732,

 0.0000, 0.0000,

0.3398

0.0000

262.4399, 0.2756,  
0.3391

■ 32.8083, 0.2398,  
0.3480

■ 32.8083, 0.2398,  
0.3480

■ 32.3766, 0.2357,  
0.3511

■ 33.4095, 0.2458,  
0.3449

■ 32.0918, 0.2335,  
0.3542

■ 34.1928, 0.2535,  
0.3419

■ 31.9152, 0.2326,  
0.3572

■ 35.1737, 0.2630,  
0.3390

■ 31.9099, 0.2326,  
0.3573

■ 36.3650, 0.2740,  
0.3362

■ 37.7785, 0.2862,  
0.3336

■ 39.4251, 0.2993,  
0.3312

■ 41.3150, 0.3132,  
0.3289

■ 43.4578, 0.3274,  
0.3269

■ 45.8625, 0.3419,  
0.3251

# Harmonies

## Analogous

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



32.8083, 0.2836, 0.4008



32.8083, 0.2398, 0.3480



32.8083, 0.2162, 0.2943

# Triad

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



32.8083, 0.2398, 0.3480



32.8083, 0.2805, 0.2473



32.8083, 0.4187, 0.3905

# Complementary

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



32.8083, 0.2398, 0.3480



11.5999, 0.5217, 0.3161

# 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.



32.8083, 0.4199, 0.3485



32.8083, 0.2398, 0.3480



32.8083, 0.3359, 0.2701

# Square

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



32.8083, 0.2398, 0.3480



32.8083, 0.2380, 0.2421



32.8083, 0.3887, 0.3059



32.8083, 0.3875, 0.4219



# Rectangle

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



32.8083, 0.2398, 0.3480



32.8083, 0.2133, 0.2673



32.8083, 0.3887, 0.3059



32.8083, 0.4228, 0.3771

# Sweetspot

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



32.8096, 0.2398, 0.3480



68.0776, 0.2840, 0.3340



30.8459, 0.3089, 0.5446



14.6420, 0.2807, 0.3347



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

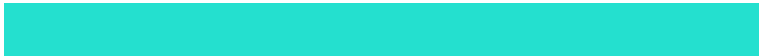


# Same Dimension

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



32.8096, 0.2398, 0.3480



58.4107, 0.2342, 0.3529



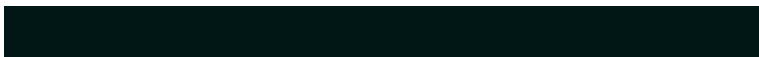
18.1418, 0.2119, 0.2390



9.0592, 0.2998, 0.3311



23.7529, 0.2325, 0.3570



0.6644, 0.2299, 0.3477



# Inverse Universe

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



11.5999, 0.5217, 0.3161



17.4260, 0.5884, 0.3190



18.1504, 0.4831, 0.3950



8.0268, 0.3272, 0.3270



6.5580, 0.6275, 0.3231

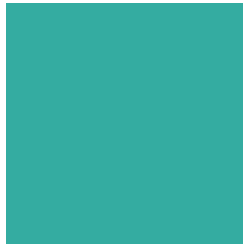


0.1862, 0.5800, 0.2969



# Previews

## White Background



This preview shows how the Yxy color 32.8083, 0.2398, 0.3480 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 32.8083, 0.2398, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

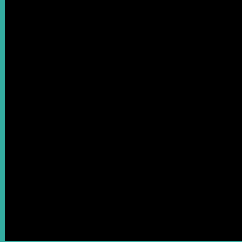
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

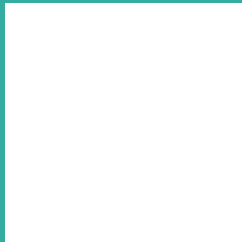
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 32.8083, 0.2398, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.8083, 0.2398, 0.3480.

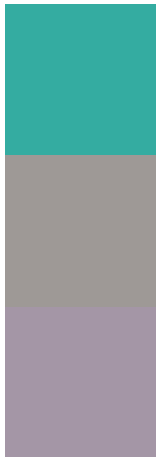


This preview shows how white text looks on a background with the Yxy color 32.8083, 0.2398, 0.3480.

# 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**

32.8083, 0.2398, 0.3480

**Protanopia**

32.2536, 0.3206, 0.3336

**Deuteranopia**

32.4584, 0.3118, 0.3058



## Tritanopia

32.8433, 0.2315, 0.3073

# Trichromacy



## Original Color

32.8083, 0.2398, 0.3480



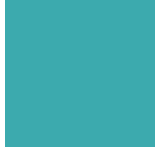
## Protanomaly

31.4678, 0.2815, 0.3388



## Deuteranomaly

31.3450, 0.2760, 0.3192



## Tritanomaly

32.7661, 0.2347, 0.3220

# Monochromacy



## Original Color

32.8083, 0.2398, 0.3480



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

26.1967, 0.2751, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.8083, 0.2398, 0.3480 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, 172, 161)` looks like.

```
.text, #text, p{  
    color:rgb(52, 172, 161)  
}
```

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, 172, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 172, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 32.8083, 0.2398, 0.3480 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, 172, 161) }
```

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

```
.border{ border-color:rgb(52, 172, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 172, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 172, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 172, 161);  
box-shadow:4px 4px 4px 4px rgb(52, 172,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.8083, 0.2398, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 172, 161) }
```

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

```
.background{ background-color: rgb(52, 172,  
161) }
```

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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