

# Converting Colors

$Yxy(39.0735, 0.2398, 0.3493)$

Have a look what the booklet for  
Yxy(39.0735, 0.2398, 0.3493)  
contains.

<b>Yxy(39.0146, 0.2395, 0.3483)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.0146, 0.2395, 0.3483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38BAAE
RGB	56, 186, 174
RGB Percent	22%, 73%, 68%
CMY	0.7808, 0.2706, 0.3176
CMYK	0.70, 0.00, 0.06, 0.27
HSL	174°, 54%, 47%
HSV	174°, 70%, 73%
XYZ	26.8274, 39.0146, 46.1723
YIQ	145.7620, -73.6280, -31.2920

# Conversions

## Conversions Part 2

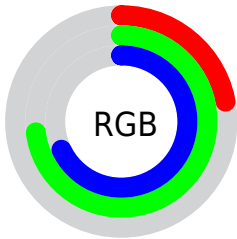
Format	Color
R <sub>YB</sub>	56, 124, 186
Decimal	3717806
CIE <sub>Lab</sub>	68.76, -37.37, -4.12
CIE <sub>LCh</sub>	69, 37.597, 186.286
Y <sub>xy</sub>	39.0146, 0.2395, 0.3483
Android (android.graphics.Color)	4281907886 (0xFF38BAAE)
YUV	145.7620, 13.9213, -78.7213
Hunter-Lab	62.4617, -32.6417, -0.1046

# Details

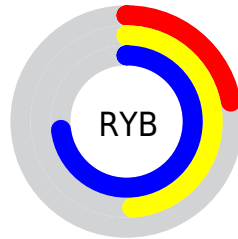
The Yxy color **39.0146, 0.2395, 0.3483** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.6756, 0.5246, 0.3160**, and the grayscale version is **28.5976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8233, 0.2534, 0.3459**, and **17.9077, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **38.5106, 0.2355, 0.3514**, and if you desaturate by 10%, it is **39.7214, 0.2454, 0.3452**.

# Distribution



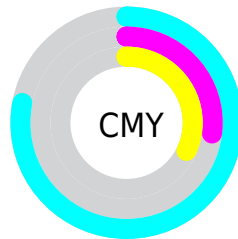
- Red (22%)
- Green (73%)
- Blue (68%)



- Red (22%)
- Yellow (49%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




- Cyan (78%)
- Magenta (27%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0146, 0.2395, 0.3483 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 39.0146, 0.2395, 0.3483 by changing the saturation by 10% instead.





 39.0146, 0.2395,  
0.3483


 39.0146, 0.2395,  
0.3483


341.9526, 0.2766,  
0.3390


 26.7711, 0.2302,  
0.3505


 73.6606, 0.2531,  
0.3450


 17.4014, 0.2181,  
0.3532


 96.8319, 0.2581,  
0.3437


 10.5211, 0.2021,  
0.3566


 124.4146, 0.2624,  
0.3427

 5.7458, 0.1798,  
0.3609

 156.7931, 0.2661,  
0.3417

 2.6911, 0.1472,  
0.3662

 194.3517, 0.2692,  
0.3409

 0.9727, 0.0041,  
0.4090

237.4749, 0.2720,

 0.0000, 0.0000,

0.3402

0.0000

286.5470, 0.2744,  
0.3396

■ 39.0146, 0.2395,  
0.3483

■ 39.0146, 0.2395,  
0.3483

■ 38.5106, 0.2355,  
0.3514

■ 39.7214, 0.2454,  
0.3452

■ 38.1815, 0.2334,  
0.3546

■ 40.6463, 0.2531,  
0.3421

■ 37.9819, 0.2327,  
0.3576

■ 41.8082, 0.2625,  
0.3392

■ 37.9809, 0.2327,  
0.3577

■ 43.2227, 0.2735,  
0.3363

■ 44.9043, 0.2857,  
0.3337

■ 46.8660, 0.2989,  
0.3312

■ 49.1204, 0.3128,  
0.3290

■ 51.6789, 0.3271,  
0.3270

■ 54.5526, 0.3417,  
0.3251

# Harmonies

## Analogous

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



39.0146, 0.2836, 0.4015



39.0146, 0.2395, 0.3483



39.0146, 0.2157, 0.2942

# Triad

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



39.0146, 0.2395, 0.3483



39.0146, 0.2801, 0.2468



39.0146, 0.4193, 0.3906

# Complementary

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



39.0146, 0.2395, 0.3483



13.6756, 0.5246, 0.3160

# 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.



39.0146, 0.4205, 0.3484



39.0146, 0.2395, 0.3483



39.0146, 0.3358, 0.2697

# Square

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



39.0146, 0.2395, 0.3483



39.0146, 0.2375, 0.2416



39.0146, 0.3890, 0.3056



39.0146, 0.3880, 0.4224



# Rectangle

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



39.0146, 0.2395, 0.3483



39.0146, 0.2128, 0.2670



39.0146, 0.3890, 0.3056



39.0146, 0.4235, 0.3771

# Sweetspot

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



39.0161, 0.2395, 0.3483



80.9260, 0.2839, 0.3341



36.6679, 0.3088, 0.5464



17.6284, 0.2804, 0.3348



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



39.0161, 0.2395, 0.3483



69.4349, 0.2342, 0.3531



21.4250, 0.2112, 0.2380



10.1960, 0.2997, 0.3311



25.5559, 0.2326, 0.3573



0.9051, 0.2304, 0.3492



# Inverse Universe

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



13.6756, 0.5246, 0.3160



20.6573, 0.5896, 0.3191



21.4389, 0.4853, 0.3953



9.0253, 0.3274, 0.3269



7.0557, 0.6279, 0.3233

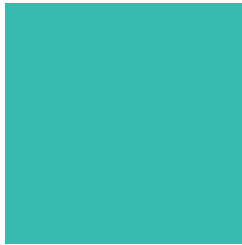


0.2532, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 39.0146, 0.2395, 0.3483 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 39.0146, 0.2395, 0.3483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

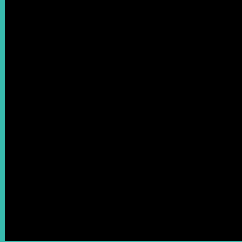
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

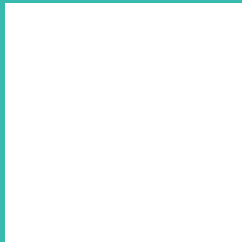
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.0146, 0.2395, 0.3483**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0146, 0.2395, 0.3483.

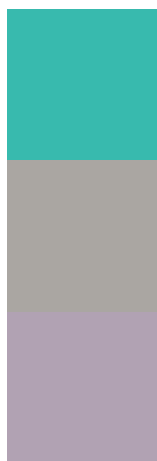


This preview shows how white text looks on a background with the Yxy color 39.0146, 0.2395, 0.3483.

# 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

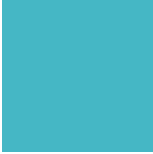
39.0146, 0.2395, 0.3483

### Protanopia

38.4271, 0.3199, 0.3347

### Deuteranopia

38.4424, 0.3119, 0.3060



## Tritanopia

39.1634, 0.2312, 0.3073

# Trichromacy



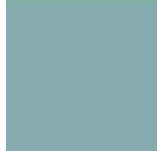
## Original Color

39.0146, 0.2395, 0.3483



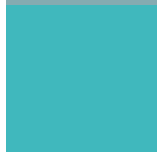
## Protanomaly

37.3074, 0.2811, 0.3397



## Deuteranomaly

37.2867, 0.2760, 0.3199



## Tritanomaly

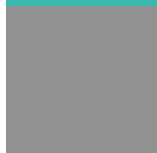
39.0451, 0.2338, 0.3209

# Monochromacy



## Original Color

39.0146, 0.2395, 0.3483



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

31.4007, 0.2744, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0146, 0.2395, 0.3483 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(56, 186, 174)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 174)  
}
```

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(56, 186, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0146, 0.2395, 0.3483 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(56, 186, 174) }
```

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

```
.border{ border-color:rgb(56, 186, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 174);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0146, 0.2395, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 174) }
```

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

```
.background{ background-color: rgb(56, 186,  
174) }
```

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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