

# Converting Colors

$Y_{xy}(43.9943, 0.2214, 0.3172)$

Have a look what the booklet for  
Yxy(43.9943, 0.2214, 0.3172)  
contains.

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# Color

**Yxy(43.8395, 0.2213, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C4CC
RGB	0, 196, 204
RGB Percent	0%, 77%, 80%
CMY	0.9989, 0.2314, 0.1999
CMYK	1.00, 0.04, 0.00, 0.20
HSL	182°, 100%, 40%
HSV	182°, 100%, 80%
XYZ	30.6433, 43.8395, 63.9868
YIQ	138.3080, -119.3840, -39.0640

# Conversions

## Conversions Part 2

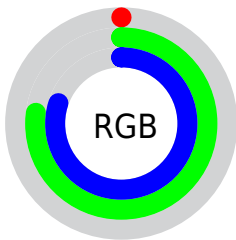
Format	Color
<a href="#">RYB</a>	<a href="#">0, 100, 204</a>
Decimal	<a href="#">50380</a>
CIELab	<a href="#">72.12, -36.98, -15.59</a>
CIELCh	<a href="#">72, 40.135, 202.857</a>
Yxy	<a href="#">43.8395, 0.2213, 0.3166</a>
Android (android.graphics.Color)	<a href="#">4278240460</a> ( <a href="#">0xFF00C4CC</a> )
YUV	<a href="#">138.3080, 32.3862, -121.2961</a>
Hunter-Lab	<a href="#">66.2114, -33.2583, -10.9500</a>

# Details

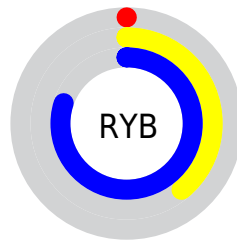
The Yxy color **43.8395, 0.2213, 0.3166** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.0218, 0.6373, 0.3320**, and the grayscale version is **25.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4738, 0.2393, 0.3265**, and **21.5480, 0.2202, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **43.8340, 0.2213, 0.3166**, and if you desaturate by 10%, it is **44.3589, 0.2230, 0.3179**.

# Distribution



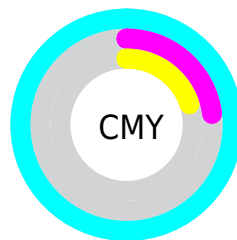
- Red (0%)
- Green (77%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (23%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8395, 0.2213, 0.3166 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 43.8395, 0.2213, 0.3166 by changing the saturation by 10% instead.





 43.8395, 0.2213,  
0.3166


 43.8395, 0.2213,  
0.3166


362.0529, 0.2659,  
0.3244


 30.5444, 0.2106,  
0.3142


 80.9762, 0.2372,  
0.3198


 20.2521, 0.1973,  
0.3108


 105.5865, 0.2432,  
0.3209


 12.5785, 0.1801,  
0.3059


 134.7373, 0.2484,  
0.3217

 7.1389, 0.1573,  
0.2983

 168.8130, 0.2529,  
0.3225

 3.5491, 0.1262,  
0.2854

 208.1981, 0.2567,  
0.3231

 1.4247, 0.0693,  
0.2649

253.2768, 0.2601,

 0.2348, 0.0000,

0.3236

0.1438

304.4336, 0.2632,  
0.3240

■ 0.0000, 0.0000,  
0.0000

■ 43.8395, 0.2213,  
0.3166

■ 43.8395, 0.2213,  
0.3166

■ 43.8340, 0.2213,  
0.3166

■ 44.3589, 0.2230,  
0.3179

■ 45.0417, 0.2262,  
0.3192

■ 45.9437, 0.2312,  
0.3205

■ 47.0945, 0.2381,  
0.3218

■ 48.5190, 0.2469,  
0.3231

■ 50.2391, 0.2575,  
0.3244

■ 52.2744, 0.2697,  
0.3257

■ 54.6428, 0.2831,  
0.3269

■ 57.3611, 0.2977,  
0.3280

# Harmonies

## Analogous

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



43.8395, 0.2556, 0.3750



43.8395, 0.2213, 0.3166



43.8395, 0.2101, 0.2694

# Triad

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



43.8395, 0.2213, 0.3166



43.8395, 0.3099, 0.2558



43.8395, 0.4075, 0.4122

# Complementary

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



43.8395, 0.2213, 0.3166



13.0218, 0.6373, 0.3320

# 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.



43.8395, 0.4270, 0.3731



43.8395, 0.2213, 0.3166



43.8395, 0.3682, 0.2872

# Square

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



43.8395, 0.2213, 0.3166



43.8395, 0.2574, 0.2401



43.8395, 0.4128, 0.3286



43.8395, 0.3629, 0.4330



# Rectangle

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



43.8395, 0.2213, 0.3166



43.8395, 0.2159, 0.2498



43.8395, 0.4128, 0.3286



43.8395, 0.4173, 0.4005

# Sweetspot

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



43.8411, 0.2213, 0.3166



86.3565, 0.2690, 0.3256



43.2138, 0.2995, 0.5980



18.1644, 0.2636, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



43.8411, 0.2213, 0.3166



72.4975, 0.2212, 0.3164



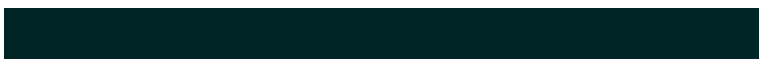
12.6132, 0.1739, 0.1459



12.6483, 0.2984, 0.3280



27.6162, 0.2213, 0.3168



1.4488, 0.2220, 0.3193



# Inverse Universe

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



16.8323, 0.3311, 0.1598



27.8498, 0.3312, 0.1598



23.7675, 0.5316, 0.4160



11.3958, 0.3144, 0.3070



10.5909, 0.3309, 0.1597

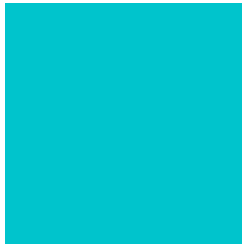


0.5488, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 43.8395, 0.2213, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

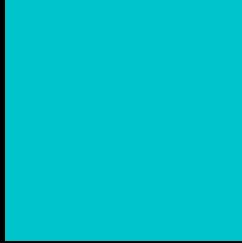
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8395, 0.2213, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

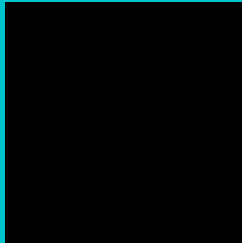
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.8395, 0.2213, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8395, 0.2213, 0.3166.

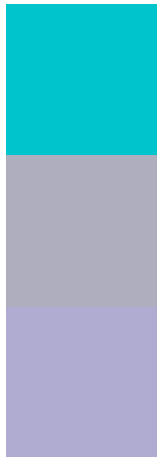


This preview shows how white text looks on a background with the Yxy color 43.8395, 0.2213, 0.3166.

# 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

43.8395, 0.2213, 0.3166

### Protanopia

42.9885, 0.2999, 0.3078

### Deuteranopia

43.3386, 0.2870, 0.2817



## Tritanopia

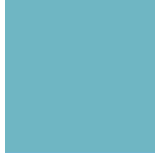
43.9530, 0.2200, 0.3050

# Trichromacy



## Original Color

43.8395, 0.2213, 0.3166



## Protanomaly

40.7755, 0.2517, 0.3097



## Deuteranomaly

40.9975, 0.2452, 0.2916



## Tritanomaly

43.7035, 0.2203, 0.3093

# Monochromacy



## Original Color

43.8395, 0.2213, 0.3166



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

29.4796, 0.2519, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8395, 0.2213, 0.3166 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(0, 196, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 204)  
}
```

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(0, 196, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8395, 0.2213, 0.3166 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(0, 196, 204) }
```

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

```
.border{ border-color:rgb(0, 196, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8395, 0.2213, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 204) }
```

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

```
.background{ background-color: rgb(0, 196,  
204) }
```

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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