

Converting Colors

$Y_{xy}(39.5867, 0.2159, 0.2972)$

Have a look what the booklet for
Yxy(39.5867, 0.2159, 0.2972)
contains.

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Color

Yxy(39.6228, 0.2157, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	00BACF
RGB	0, 186, 207
RGB Percent	0%, 73%, 81%
CMY	1.0000, 0.2705, 0.1883
CMYK	1.00, 0.10, 0.00, 0.19
HSL	186°, 100%, 41%
HSV	186°, 100%, 81%
XYZ	28.8154, 39.6228, 65.1519
YIQ	132.7800, -117.5970, -32.9010

Conversions

Conversions Part 2

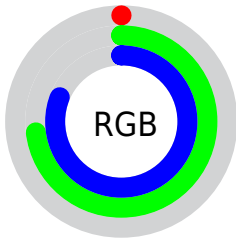
Format	Color
RYB	0, 98, 207
Decimal	47823
CIELab	69.20, -31.35, -21.64
CIELCh	69, 38.092, 214.612
Yxy	39.6228, 0.2157, 0.2966
Android (android.graphics.Color)	4278237903 (0xFF00BACF)
YUV	132.7800, 36.5905, -116.4481
Hunter-Lab	62.9466, -28.4439, -17.3045

Details

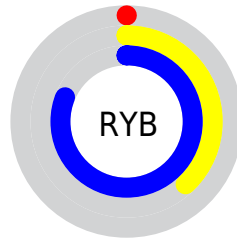
The Yxy color **39.6228, 0.2157, 0.2966** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.7990, 0.6327, 0.3358**, and the grayscale version is **23.2700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2642, 0.2364, 0.3146**, and **18.8024, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **39.6272, 0.2157, 0.2966**, and if you desaturate by 10%, it is **40.6737, 0.2181, 0.3000**.

Distribution



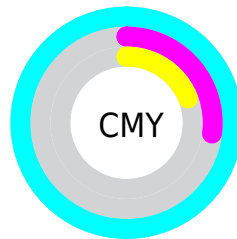
- Red (0%)
- Green (73%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6228, 0.2157, 0.2966 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 39.6228, 0.2157, 0.2966 by changing the saturation by 10% instead.


 39.6228, 0.2157,
0.2966

 39.6228, 0.2157,
0.2966

344.5312, 0.2634,
0.3148


 27.2446, 0.2042,
0.2915


 74.5888, 0.2328,
0.3036

 17.7570, 0.1897,
0.2847


 97.9453, 0.2393,
0.3061


 10.7757, 0.1711,
0.2751


 125.7301, 0.2448,
0.3082

 5.9162, 0.1465,
0.2609

 158.3275, 0.2496,
0.3100

 2.7942, 0.1132,
0.2385

 196.1219, 0.2537,
0.3114

 1.0252, 0.0407,
0.2059

239.4977, 0.2574,

 0.0000, 0.0000,

0.3127

0.0000

288.8393, 0.2606,
0.3138

■ 39.6228, 0.2157,
0.2966

■ 39.6228, 0.2157,
0.2966

■ 39.6272, 0.2157,
0.2966

■ 40.6737, 0.2181,
0.3000

■ 41.9006, 0.2220,
0.3035

■ 43.3647, 0.2278,
0.3070

■ 45.0968, 0.2355,
0.3106

■ 47.1228, 0.2450,
0.3140

■ 49.4655, 0.2562,
0.3174

■ 52.1453, 0.2689,
0.3206

■ 55.1809, 0.2827,
0.3236

■ 58.5896, 0.2974,
0.3264

Harmonies

Analogous

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



39.6228, 0.2409, 0.3517



39.6228, 0.2157, 0.2966



39.6228, 0.2139, 0.2580

Triad

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



39.6228, 0.2157, 0.2966



39.6228, 0.3327, 0.2676



39.6228, 0.3910, 0.4218

Complementary

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



39.6228, 0.2157, 0.2966



13.7990, 0.6327, 0.3358

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.



39.6228, 0.4211, 0.3888



39.6228, 0.2157, 0.2966



39.6228, 0.3870, 0.3031

Square

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



39.6228, 0.2157, 0.2966



39.6228, 0.2770, 0.2455



39.6228, 0.4205, 0.3460



39.6228, 0.3412, 0.4306

Rectangle

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



39.6228, 0.2157, 0.2966



39.6228, 0.2256, 0.2444



39.6228, 0.4205, 0.3460



39.6228, 0.4038, 0.4127

Sweetspot

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



39.6272, 0.2157, 0.2966



83.4174, 0.2684, 0.3205



44.6726, 0.2982, 0.5937



17.4497, 0.2628, 0.3191



0.0000, 0.0000, 0.0000



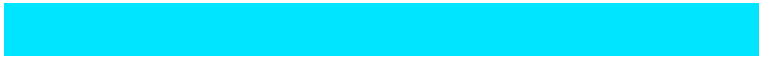
21.4041, 0.3127, 0.3290

Same Dimension

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



39.6272, 0.2157, 0.2966



63.3466, 0.2156, 0.2962



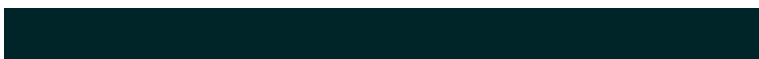
10.6596, 0.1680, 0.1249



13.1938, 0.2983, 0.3266



25.0505, 0.2159, 0.2971



1.4611, 0.2176, 0.3034

Inverse Universe

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



16.8092, 0.3484, 0.1693



26.9260, 0.3488, 0.1695



27.7272, 0.5126, 0.4312



11.9875, 0.3153, 0.3084



10.6001, 0.3480, 0.1691



0.5988, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 39.6228, 0.2157, 0.2966 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 39.6228, 0.2157, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

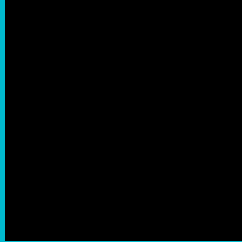
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6228, 0.2157, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 39.6228, 0.2157, 0.2966.



This preview shows how white text looks on a background with the Yxy color 39.6228, 0.2157, 0.2966.

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

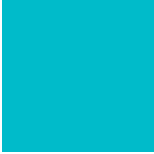
39.6228, 0.2157, 0.2966

Protanopia

38.9540, 0.2872, 0.2908

Deuteranopia

39.2408, 0.2723, 0.2669



Tritanopia

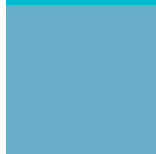
39.8049, 0.2182, 0.3055

Trichromacy



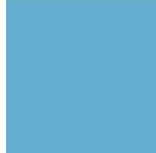
Original Color

39.6228, 0.2157, 0.2966



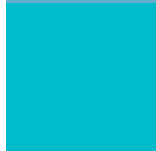
Protanomaly

36.9537, 0.2429, 0.2899



Deuteranomaly

37.3651, 0.2359, 0.2749



Tritanomaly

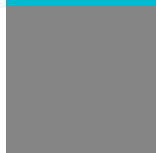
39.9003, 0.2174, 0.3025

Monochromacy



Original Color

39.6228, 0.2157, 0.2966



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.9258, 0.2491, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6228, 0.2157, 0.2966 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, 186, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 207)  
}
```

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, 186, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 207) }
```

Border

The CSS property to change the border of an element to Yxy 39.6228, 0.2157, 0.2966 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, 186, 207) }
```

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

```
.border{ border-color:rgb(0, 186, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 186, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 186, 207); box-shadow:4px 4px 4px 4px rgb(0, 186, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6228, 0.2157, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 207) }
```

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

```
.background{ background-color: rgb(0, 186,  
207) }
```

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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