

Converting Colors

$Yxy(34.8764, 0.1700, 0.2917)$

Have a look what the booklet for
Yxy(34.8764, 0.1700, 0.2917)
contains.

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Color

Yxy(39.1542, 0.2157, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	00B9CE
RGB	0, 185, 206
RGB Percent	0%, 73%, 81%
CMY	0.9982, 0.2745, 0.1921
CMYK	1.00, 0.10, 0.00, 0.19
HSL	186°, 100%, 40%
HSV	186°, 100%, 81%
XYZ	28.4938, 39.1542, 64.4512
YIQ	132.0790, -117.0010, -32.6890

Conversions

Conversions Part 2

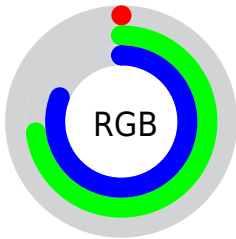
Format	Color
RYB	0, 97, 206
Decimal	47566
CIELab	68.86, -31.15, -21.61
CIELCh	69, 37.914, 214.752
Yxy	39.1542, 0.2157, 0.2964
Android (android.graphics.Color)	4278237646 (0xFF00B9CE)
YUV	132.0790, 36.4431, -115.8333
Hunter-Lab	62.5733, -28.2204, -17.2680

Details

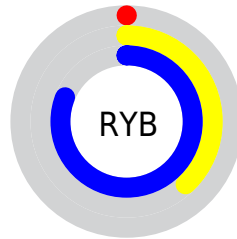
The Yxy color **39.1542, 0.2157, 0.2964** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.6772, 0.6322, 0.3360**, and the grayscale version is **23.0530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0736, 0.2359, 0.3122**, and **18.4996, 0.2126, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **39.1332, 0.2157, 0.2963**, and if you desaturate by 10%, it is **40.2002, 0.2181, 0.2999**.

Distribution



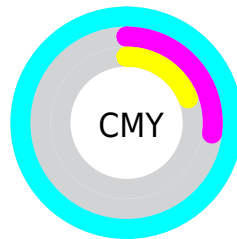
- Red (0%)
- Green (73%)
- Blue (81%)



- 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 39.1542, 0.2157, 0.2964 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 39.1542, 0.2157, 0.2964 by changing the saturation by 10% instead.


 39.1542, 0.2157,
0.2964

 39.1542, 0.2157,
0.2964

342.5456, 0.2635,
0.3147


 26.8797, 0.2041,
0.2913


 73.8738, 0.2328,
0.3035

 17.4829, 0.1896,
0.2844

 97.0877, 0.2393,
0.3060


 10.5794, 0.1709,
0.2747


 124.7169, 0.2449,
0.3081

 5.7848, 0.1461,
0.2603

 157.1458, 0.2497,
0.3099

 2.7146, 0.1125,
0.2376

 194.7587, 0.2538,
0.3113

 0.9846, 0.0358,
0.2049

237.9400, 0.2575,

 0.0000, 0.0000,

0.3126

0.0000

287.0742, 0.2607,
0.3137

■ 39.1542, 0.2157,
0.2964

■ 39.1542, 0.2157,
0.2964

■ 39.1332, 0.2157,
0.2963

■ 40.2002, 0.2181,
0.2999

■ 41.4259, 0.2221,
0.3034

■ 42.8871, 0.2279,
0.3069

■ 44.6142, 0.2356,
0.3105

■ 46.6327, 0.2452,
0.3140

■ 48.9650, 0.2565,
0.3173

■ 51.6313, 0.2692,
0.3206

■ 54.6501, 0.2830,
0.3236

■ 58.0384, 0.2978,
0.3265

Harmonies

Analogous

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



39.1542, 0.2408, 0.3514



39.1542, 0.2157, 0.2964



39.1542, 0.2140, 0.2579

Triad

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



39.1542, 0.2157, 0.2964



39.1542, 0.3330, 0.2677



39.1542, 0.3907, 0.4218

Complementary

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



39.1542, 0.2157, 0.2964



13.6772, 0.6322, 0.3360

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.



39.1542, 0.4209, 0.3890



39.1542, 0.2157, 0.2964



39.1542, 0.3872, 0.3033

Square

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



39.1542, 0.2157, 0.2964



39.1542, 0.2773, 0.2456



39.1542, 0.4205, 0.3462



39.1542, 0.3409, 0.4305

Rectangle

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



39.1542, 0.2157, 0.2964



39.1542, 0.2258, 0.2444



39.1542, 0.4205, 0.3462



39.1542, 0.4036, 0.4128

Sweetspot

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



39.1556, 0.2157, 0.2964



83.3763, 0.2684, 0.3204



44.2025, 0.2982, 0.5934



17.4398, 0.2628, 0.3190



0.0000, 0.0000, 0.0000



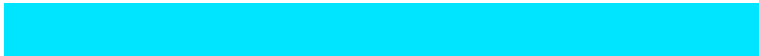
21.4041, 0.3127, 0.3290

Same Dimension

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



39.1556, 0.2157, 0.2964



63.2231, 0.2155, 0.2959



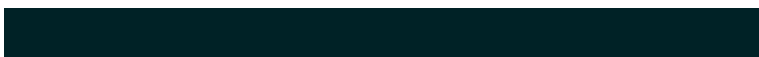
10.5963, 0.1682, 0.1254



12.5234, 0.2983, 0.3266



24.1783, 0.2158, 0.2968



1.3052, 0.2177, 0.3036

Inverse Universe

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



16.6351, 0.3486, 0.1695



26.9136, 0.3490, 0.1696



27.4852, 0.5122, 0.4313



11.3832, 0.3153, 0.3085



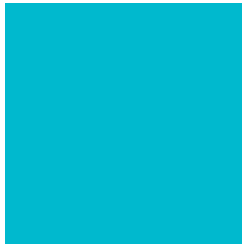
10.2438, 0.3482, 0.1692



0.5343, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 39.1542, 0.2157, 0.2964 looks on a white background.

Color Contrast Check

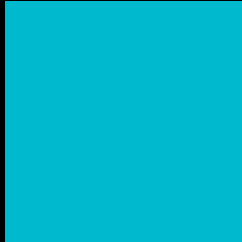
Large Text (above 18pt) WCAG AA × Fail

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 39.1542, 0.2157, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

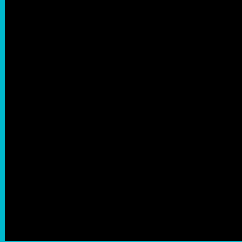
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1542, 0.2157, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 39.1542, 0.2157, 0.2964.



This preview shows how white text looks on a background with the Yxy color 39.1542, 0.2157, 0.2964.

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

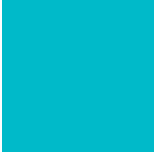
39.1542, 0.2157, 0.2964

Protanopia

38.8041, 0.2872, 0.2920

Deuteranopia

38.7277, 0.2721, 0.2666



Tritanopia

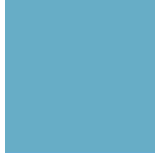
39.3349, 0.2182, 0.3054

Trichromacy



Original Color

39.1542, 0.2157, 0.2964



Protanomaly

36.8479, 0.2429, 0.2913



Deuteranomaly

36.9333, 0.2361, 0.2747



Tritanomaly

39.4296, 0.2173, 0.3024

Monochromacy



Original Color

39.1542, 0.2157, 0.2964



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5212, 0.2488, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1542, 0.2157, 0.2964 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, 185, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 206)  
}
```

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, 185, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 206) }
```

Border

The CSS property to change the border of an element to Yxy 39.1542, 0.2157, 0.2964 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, 185, 206) }
```

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

```
.border{ border-color:rgb(0, 185, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1542, 0.2157, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 206) }
```

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

```
.background{ background-color: rgb(0, 185,  
206) }
```

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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