

Converting Colors

$Y_{xy}(29.4165, 0.1767, 0.2948)$

Have a look what the booklet for
Yxy(29.4165, 0.1767, 0.2948)
contains.

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Color

Yxy(32.4236, 0.2159, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	00AABD
RGB	0, 170, 189
RGB Percent	0%, 67%, 74%
CMY	0.9982, 0.3333, 0.2589
CMYK	1.00, 0.10, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	23.5619, 32.4236, 53.1481
YIQ	121.3360, -107.4190, -30.1310

Conversions

Conversions Part 2

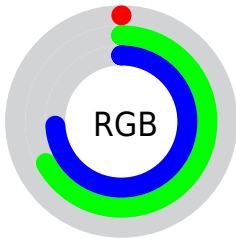
Format	Color
RYB	0, 89, 189
Decimal	43709
CIELab	63.69, -29.40, -20.07
CIELCh	64, 35.602, 214.322
Yxy	32.4236, 0.2159, 0.2971
Android (android.graphics.Color)	4278233789 (0xFF00AABD)
YUV	121.3360, 33.3584, -106.4117
Hunter-Lab	56.9417, -25.7864, -15.4807

Details

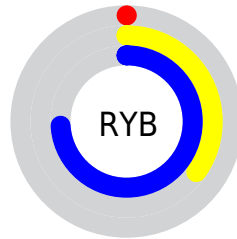
The Yxy color **32.4236, 0.2159, 0.2971** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2976, 0.6317, 0.3363**, and the grayscale version is **19.1955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6379, 0.2341, 0.3051**, and **14.5002, 0.2126, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **32.4049, 0.2158, 0.2970**, and if you desaturate by 10%, it is **33.2824, 0.2184, 0.3005**.

Distribution



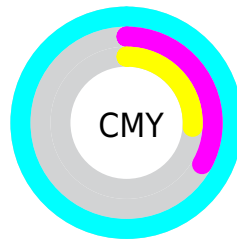
- Red (0%)
- Green (67%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4236, 0.2159, 0.2971 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 32.4236, 0.2159, 0.2971 by changing the saturation by 10% instead.

 32.4236, 0.2159,
0.2971


 32.4236, 0.2159,
0.2971


313.0444, 0.2652,
0.3155

 21.6853, 0.2035,
0.2917


 63.4746, 0.2339,
0.3044

 13.6258, 0.1877,
0.2842


 84.5560, 0.2407,
0.3070


 7.8609, 0.1669,
0.2734


 109.8539, 0.2463,
0.3091

 4.0061, 0.1386,
0.2567

 139.7527, 0.2512,
0.3108

 1.6770, 0.0987,
0.2289

 174.6367, 0.2554,
0.3123

 0.4087, 0.0000,
0.1600

214.8904, 0.2591,

 0.0000, 0.0000,

0.3135

0.0000

260.8982, 0.2623,
0.3146

■ 32.4236, 0.2159,
0.2971

■ 32.4236, 0.2159,
0.2971

■ 32.4049, 0.2158,
0.2970

■ 33.2824, 0.2184,
0.3005

■ 34.2861, 0.2224,
0.3039

■ 35.4827, 0.2283,
0.3074

■ 36.8966, 0.2360,
0.3109

■ 38.5483, 0.2456,
0.3143

■ 40.4560, 0.2568,
0.3176

■ 42.6359, 0.2694,
0.3208

■ 45.1029, 0.2832,
0.3237

■ 47.8709, 0.2979,
0.3265

Harmonies

Analogous

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



32.4236, 0.2413, 0.3522



32.4236, 0.2159, 0.2971



32.4236, 0.2139, 0.2583

Triad

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



32.4236, 0.2159, 0.2971



32.4236, 0.3321, 0.2673



32.4236, 0.3913, 0.4215

Complementary

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



32.4236, 0.2159, 0.2971



11.2976, 0.6317, 0.3363

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.



32.4236, 0.4212, 0.3884



32.4236, 0.2159, 0.2971



32.4236, 0.3865, 0.3028

Square

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



32.4236, 0.2159, 0.2971



32.4236, 0.2766, 0.2454



32.4236, 0.4202, 0.3455



32.4236, 0.3417, 0.4306

Rectangle

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



32.4236, 0.2159, 0.2971



32.4236, 0.2254, 0.2446



32.4236, 0.4202, 0.3455



32.4236, 0.4041, 0.4124

Sweetspot

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



32.4248, 0.2159, 0.2971



76.0825, 0.2685, 0.3205



36.4371, 0.2981, 0.5929



15.9973, 0.2630, 0.3192



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.



32.4248, 0.2159, 0.2971



57.8474, 0.2157, 0.2965



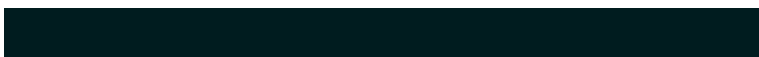
8.8260, 0.1685, 0.1264



10.6409, 0.2985, 0.3266



21.8724, 0.2160, 0.2975



0.9047, 0.2182, 0.3056

Inverse Universe

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



13.7281, 0.3480, 0.1691



24.5520, 0.3485, 0.1694



22.7544, 0.5115, 0.4318



9.6793, 0.3153, 0.3086



9.2377, 0.3477, 0.1689



0.3667, 0.3405, 0.1649

Previews

White Background



This preview shows how the Yxy color 32.4236, 0.2159, 0.2971 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 32.4236, 0.2159, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

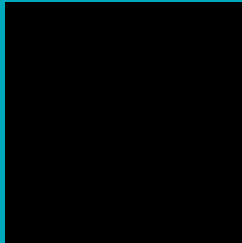
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4236, 0.2159, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 32.4236, 0.2159, 0.2971.



This preview shows how white text looks on a background with the Yxy color 32.4236, 0.2159, 0.2971.

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

32.4236, 0.2159, 0.2971

Protanopia

32.0204, 0.2877, 0.2919

Deuteranopia

31.8660, 0.2729, 0.2671

Trichromacy



Original Color

32.4236, 0.2159, 0.2971

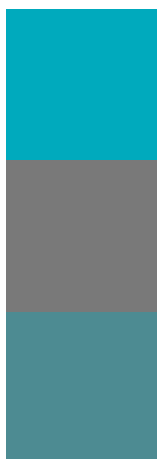
Protanomaly

30.5654, 0.2441, 0.2931

Deuteranomaly

30.2994, 0.2363, 0.2734

Monochromacy



Original Color

32.4236, 0.2159, 0.2971

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

22.1183, 0.2492, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4236, 0.2159, 0.2971 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, 170, 189)` looks like.

```
.text, #text, p{  
  color:rgb(0, 170, 189)  
}
```

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, 170, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.4236, 0.2159, 0.2971 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, 170, 189) }
```

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

```
.border{ border-color:rgb(0, 170, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
189) }
```

Background

The CSS property to change the background color of an element to Yxy 32.4236, 0.2159, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 189) }
```

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

```
.background{ background-color: rgb(0, 170,  
189) }
```

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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