

Converting Colors

$Y_{xy}(28.1233, 0.1487, 0.2487)$

Have a look what the booklet for
Yxy(28.1233, 0.1487, 0.2487)
contains.

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Color

Yxy(32.8603, 0.2049, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	00A8D6
RGB	0, 168, 214
RGB Percent	0%, 66%, 84%
CMY	0.9997, 0.3412, 0.1609
CMYK	1.00, 0.21, 0.00, 0.16
HSL	193°, 100%, 42%
HSV	193°, 100%, 84%
XYZ	26.1377, 32.8603, 68.5653
YIQ	123.0120, -114.8940, -21.3100

Conversions

Conversions Part 2

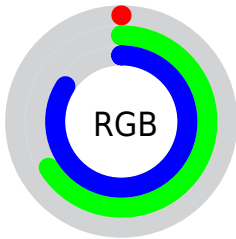
Format	Color
RYB	0, 94, 214
Decimal	43222
CIELab	64.05, -19.89, -33.41
CIElCh	64, 38.883, 239.241
Yxy	32.8603, 0.2049, 0.2576
Android (android.graphics.Color)	4278233302 (0xFF00A8D6)
YUV	123.0120, 44.8571, -107.8815
Hunter-Lab	57.3239, -18.9270, -30.7902

Details

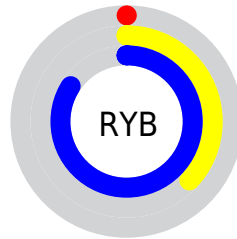
The Yxy color **32.8603, 0.2049, 0.2576** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.2501, 0.6162, 0.3489**, and the grayscale version is **19.6974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8789, 0.2305, 0.2897**, and **14.9940, 0.1999, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **32.8547, 0.2049, 0.2576**, and if you desaturate by 10%, it is **34.7538, 0.2086, 0.2654**.

Distribution



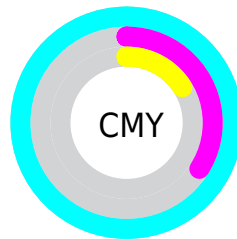
- Red (0%)
- Green (66%)
- Blue (84%)



- Red (0%)
- Yellow (37%)
- Blue (84%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8603, 0.2049, 0.2576 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 32.8603, 0.2049, 0.2576 by changing the saturation by 10% instead.

■ 32.8603, 0.2049,
0.2576

■ 32.8603, 0.2049,
0.2576

■ 315.0198, 0.2589,
0.2958

■ 22.0194, 0.1918,
0.2475

■ 64.1574, 0.2244,
0.2720

■ 13.8712, 0.1752,
0.2343

■ 85.3824, 0.2317,
0.2772

■ 8.0311, 0.1540,
0.2166

■ 110.8375, 0.2380,
0.2816

■ 4.1149, 0.1262,
0.1917

■ 140.9073, 0.2434,
0.2853

■ 1.7380, 0.0897,
0.1557

■ 175.9760, 0.2480,
0.2885

■ 0.4481, 0.0000,
0.0949

216.4280, 0.2521,

■ 0.0000, 0.0000,

0.2913

0.0000

262.6478, 0.2557,
0.2937

■ 32.8603, 0.2049,
0.2576

■ 32.8603, 0.2049,
0.2576

■ 32.8547, 0.2049,
0.2576

■ 34.7538, 0.2086,
0.2654

■ 36.8889, 0.2140,
0.2733

■ 39.3272, 0.2213,
0.2812

■ 42.1028, 0.2306,
0.2891

■ 45.2443, 0.2416,
0.2967

■ 48.7770, 0.2541,
0.3041

■ 52.7235, 0.2678,
0.3111

■ 57.1046, 0.2823,
0.3176

■ 61.9396, 0.2974,
0.3236

Harmonies

Analogous

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



32.8603, 0.2111, 0.3030



32.8603, 0.2049, 0.2576



32.8603, 0.2232, 0.2359

Triad

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



32.8603, 0.2049, 0.2576



32.8603, 0.3839, 0.2932



32.8603, 0.3534, 0.4407

Complementary

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



32.8603, 0.2049, 0.2576



16.2501, 0.6162, 0.3489

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.



32.8603, 0.4048, 0.4240



32.8603, 0.2049, 0.2576



32.8603, 0.4258, 0.3381

Square

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



32.8603, 0.2049, 0.2576



32.8603, 0.3229, 0.2574



32.8603, 0.4327, 0.3848



32.8603, 0.2938, 0.4196

Rectangle

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



32.8603, 0.2049, 0.2576



32.8603, 0.2483, 0.2342



32.8603, 0.4327, 0.3848



32.8603, 0.3723, 0.4388

Sweetspot

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



32.8614, 0.2049, 0.2576



78.2195, 0.2673, 0.3108



48.2538, 0.2948, 0.5812



16.1925, 0.2614, 0.3079



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.



32.8614, 0.2049, 0.2576



48.6201, 0.2047, 0.2568



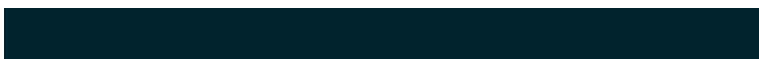
8.5490, 0.1606, 0.0982



13.6338, 0.2982, 0.3239



20.0213, 0.2052, 0.2587



1.3230, 0.2090, 0.2722

Inverse Universe

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



17.1213, 0.3847, 0.1893



25.4394, 0.3855, 0.1897



36.0430, 0.4851, 0.4530



12.5849, 0.3170, 0.3109



10.3660, 0.3836, 0.1887



0.6369, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 32.8603, 0.2049, 0.2576 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 32.8603, 0.2049, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

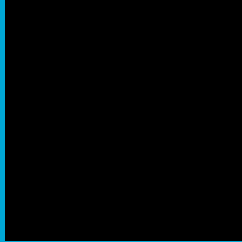
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8603, 0.2049, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 32.8603, 0.2049, 0.2576.

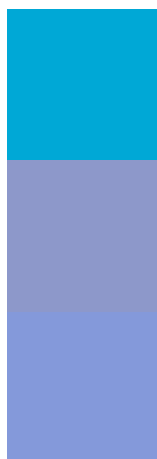


This preview shows how white text looks on a background with the Yxy color 32.8603, 0.2049, 0.2576.

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

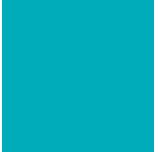
32.8603, 0.2049, 0.2576

Protanopia

32.3835, 0.2616, 0.2577

Deuteranopia

32.7500, 0.2446, 0.2387



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

32.8603, 0.2049, 0.2576



Protanomaly

31.0836, 0.2268, 0.2556



Deuteranomaly

31.3483, 0.2186, 0.2412



Tritanomaly

33.1113, 0.2133, 0.2880

Monochromacy



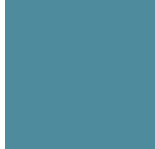
Original Color

32.8603, 0.2049, 0.2576



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.4852, 0.2428, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8603, 0.2049, 0.2576 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, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 214)  
}
```

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, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 214) }
```

Border

The CSS property to change the border of an element to Yxy 32.8603, 0.2049, 0.2576 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, 168, 214) }
```

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

```
.border{ border-color:rgb(0, 168, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 168, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8603, 0.2049, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 214) }
```

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

```
.background{ background-color: rgb(0, 168,  
214) }
```

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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