

Converting Colors

$Y_{xy}(32.6026, 0.2155, 0.2984)$

Have a look what the booklet for
Yxy(32.6026, 0.2155, 0.2984)
contains.

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Color

Yxy(32.7999, 0.2163, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	00ABBD
RGB	0, 171, 189
RGB Percent	0%, 67%, 74%
CMY	1.0000, 0.3294, 0.2588
CMYK	1.00, 0.10, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	23.7437, 32.7999, 53.2285
YIQ	121.9230, -107.6940, -30.6540

Conversions

Conversions Part 2

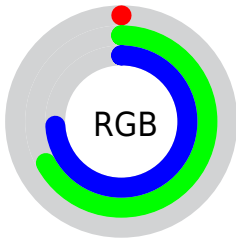
Format	Color
RYB	0, 90, 189
Decimal	43965
CIELab	64.00, -29.92, -19.62
CIELCh	64, 35.782, 213.259
Yxy	32.7999, 0.2163, 0.2988
Android (android.graphics.Color)	4278234045 (0xFF00ABBD)
YUV	121.9230, 33.0690, -106.9265
Hunter-Lab	57.2712, -26.2214, -15.0149

Details

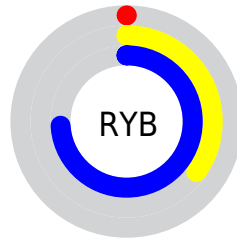
The Yxy color **32.7999, 0.2163, 0.2988** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2526, 0.6328, 0.3358**, and the grayscale version is **19.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1834, 0.2344, 0.3064**, and **14.7344, 0.2133, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **32.8045, 0.2163, 0.2988**, and if you desaturate by 10%, it is **33.6266, 0.2188, 0.3020**.

Distribution



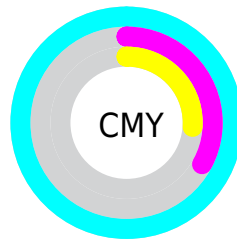
- Red (0%)
- Green (67%)
- Blue (74%)



- 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 32.7999, 0.2163, 0.2988 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 32.7999, 0.2163, 0.2988 by changing the saturation by 10% instead.

 32.7999, 0.2163,
0.2988


 32.7999, 0.2163,
0.2988


314.7471, 0.2653,
0.3163


 21.9732, 0.2040,
0.2936


 64.0630, 0.2342,
0.3058


 13.8372, 0.1883,
0.2865


 85.2682, 0.2409,
0.3082


 8.0075, 0.1676,
0.2761


 110.7017, 0.2466,
0.3102

 4.0998, 0.1396,
0.2601

 140.7478, 0.2514,
0.3118

 1.7295, 0.1001,
0.2333

 175.7910, 0.2556,
0.3132

 0.4427, 0.0000,
0.1704

216.2157, 0.2592,

 0.0000, 0.0000,

0.3144

0.0000

262.4063, 0.2625,
0.3154

■ 32.7999, 0.2163,
0.2988

■ 32.7999, 0.2163,
0.2988

■ 32.8045, 0.2163,
0.2988

■ 33.6266, 0.2188,
0.3020

■ 34.5914, 0.2227,
0.3053

■ 35.7476, 0.2284,
0.3085

■ 37.1194, 0.2360,
0.3118

■ 38.7276, 0.2455,
0.3150

■ 40.5904, 0.2566,
0.3181

■ 42.7240, 0.2692,
0.3211

■ 45.1434, 0.2829,
0.3240

■ 47.8624, 0.2975,
0.3266

Harmonies

Analogous

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



32.7999, 0.2426, 0.3543



32.7999, 0.2163, 0.2988



32.7999, 0.2134, 0.2592

Triad

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



32.7999, 0.2163, 0.2988



32.7999, 0.3301, 0.2662



32.7999, 0.3929, 0.4207

Complementary

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



32.7999, 0.2163, 0.2988



11.2526, 0.6328, 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.



32.7999, 0.4218, 0.3870



32.7999, 0.2163, 0.2988



32.7999, 0.3849, 0.3013

Square

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



32.7999, 0.2163, 0.2988



32.7999, 0.2747, 0.2448



32.7999, 0.4197, 0.3440



32.7999, 0.3436, 0.4310

Rectangle

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



32.7999, 0.2163, 0.2988



32.7999, 0.2244, 0.2450



32.7999, 0.4197, 0.3440



32.7999, 0.4054, 0.4113

Sweetspot

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



32.8045, 0.2163, 0.2988



76.3153, 0.2685, 0.3210



36.4360, 0.2985, 0.5946



16.0540, 0.2631, 0.3197



95.5105, 0.3127, 0.3290



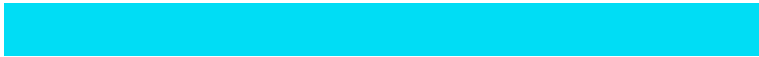
19.5994, 0.3127, 0.3290

Same Dimension

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



32.8045, 0.2163, 0.2988



58.5517, 0.2162, 0.2983



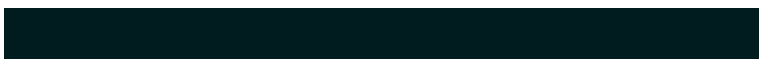
9.2311, 0.1697, 0.1309



10.6500, 0.2985, 0.3267



22.1304, 0.2165, 0.2992



0.9125, 0.2186, 0.3069

Inverse Universe

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



13.7607, 0.3465, 0.1682



24.6231, 0.3469, 0.1685



22.0271, 0.5167, 0.4280



9.6802, 0.3152, 0.3085



9.2638, 0.3461, 0.1680



0.3675, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 32.7999, 0.2163, 0.2988 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 32.7999, 0.2163, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

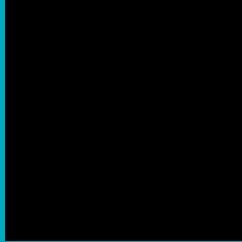
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7999, 0.2163, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 32.7999, 0.2163, 0.2988.

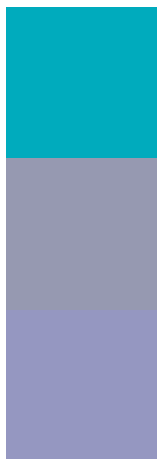


This preview shows how white text looks on a background with the Yxy color 32.7999, 0.2163, 0.2988.

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

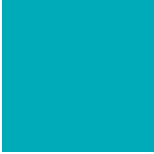
32.7999, 0.2163, 0.2988

Protanopia

32.4408, 0.2887, 0.2935

Deuteranopia

32.3730, 0.2748, 0.2688



Tritanopia

32.6286, 0.2181, 0.3052

Trichromacy



Original Color

32.7999, 0.2163, 0.2988



Protanomaly

30.9107, 0.2444, 0.2947



Deuteranomaly

30.6924, 0.2372, 0.2751



Tritanomaly

32.6710, 0.2177, 0.3036

Monochromacy



Original Color

32.7999, 0.2163, 0.2988



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.4512, 0.2503, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7999, 0.2163, 0.2988 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, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.7999, 0.2163, 0.2988 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, 171, 189) }
```

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

```
.border{ border-color:rgb(0, 171, 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, 171, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7999, 0.2163, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 189) }
```

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

```
.background{ background-color: rgb(0, 171,  
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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