

Converting Colors

$Y_{xy}(32.2388, 0.2189, 0.3081)$

Have a look what the booklet for
Yxy(32.2388, 0.2189, 0.3081)
contains.

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Color

Yxy(32.1268, 0.2190, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	00AAB6
RGB	0, 170, 182
RGB Percent	0%, 67%, 71%
CMY	0.9989, 0.3333, 0.2862
CMYK	1.00, 0.07, 0.00, 0.29
HSL	184°, 100%, 36%
HSV	184°, 100%, 71%
XYZ	22.8212, 32.1268, 49.2583
YIQ	120.5380, -105.1720, -32.3080

Conversions

Conversions Part 2

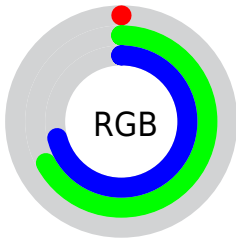
Format	Color
RYB	0, 88, 182
Decimal	43702
CIELab	63.45, -31.68, -16.55
CIELCh	63, 35.743, 207.592
Yxy	32.1268, 0.2190, 0.3083
Android (android.graphics.Color)	4278233782 (0xFF00AAB6)
YUV	120.5380, 30.3008, -105.7118
Hunter-Lab	56.6805, -27.3217, -11.8497

Details

The Yxy color **32.1268, 0.2190, 0.3083** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2171, 0.6349, 0.3339**, and the grayscale version is **18.9190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1624, 0.2367, 0.3136**, and **14.3076, 0.2168, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **32.1189, 0.2190, 0.3083**, and if you desaturate by 10%, it is **32.7126, 0.2212, 0.3105**.

Distribution



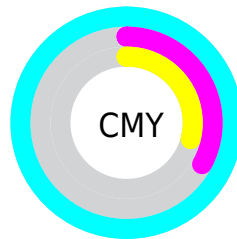
- Red (0%)
- Green (67%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)




- Cyan (100%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1268, 0.2190, 0.3083 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 32.1268, 0.2190, 0.3083 by changing the saturation by 10% instead.


 32.1268, 0.2190,
0.3083


 32.1268, 0.2190,
0.3083


 311.6965, 0.2670,
0.3209


 21.4584, 0.2068,
0.3044


 63.0098, 0.2366,
0.3134

 13.4595, 0.1912,
0.2989


 83.9932, 0.2432,
0.3152

 7.7457, 0.1705,
0.2906

 109.1837, 0.2487,
0.3166

 3.9327, 0.1420,
0.2774

 138.9657, 0.2534,
0.3177

 1.6360, 0.0998,
0.2544

 173.7235, 0.2575,
0.3187

 0.3817, 0.0000,
0.1825

 213.8417, 0.2611,

 0.0000, 0.0000,

0.3195

0.0000

259.7045, 0.2642,
0.3202

■ 32.1268, 0.2190,
0.3083

■ 32.1268, 0.2190,
0.3083

■ 32.1189, 0.2190,
0.3083

■ 32.7126, 0.2212,
0.3105

■ 33.4241, 0.2248,
0.3127

■ 34.3071, 0.2302,
0.3149

■ 35.3836, 0.2374,
0.3171

■ 36.6724, 0.2466,
0.3193

■ 38.1899, 0.2574,
0.3215

■ 39.9510, 0.2697,
0.3236

■ 41.9692, 0.2833,
0.3255

■ 44.2572, 0.2978,
0.3273

Harmonies

Analogous

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



32.1268, 0.2496, 0.3654



32.1268, 0.2190, 0.3083



32.1268, 0.2117, 0.2647

Triad

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



32.1268, 0.2190, 0.3083



32.1268, 0.3191, 0.2606



32.1268, 0.4008, 0.4161

Complementary

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



32.1268, 0.2190, 0.3083



10.2171, 0.6349, 0.3339

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.



32.1268, 0.4247, 0.3795



32.1268, 0.2190, 0.3083



32.1268, 0.3759, 0.2937

Square

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



32.1268, 0.2190, 0.3083



32.1268, 0.2653, 0.2423



32.1268, 0.4160, 0.3357



32.1268, 0.3540, 0.4322

Rectangle

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



32.1268, 0.2190, 0.3083



32.1268, 0.2198, 0.2476



32.1268, 0.4160, 0.3357



32.1268, 0.4119, 0.4055

Sweetspot

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



32.1280, 0.2190, 0.3083



72.1961, 0.2689, 0.3234



33.4818, 0.2991, 0.5967



15.6400, 0.2636, 0.3226



93.3107, 0.3127, 0.3290



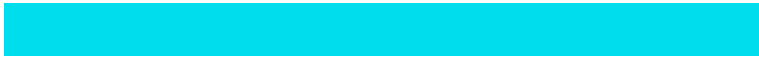
18.7317, 0.3127, 0.3290

Same Dimension

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



32.1280, 0.2190, 0.3083



58.0870, 0.2189, 0.3079



9.4238, 0.1728, 0.1420



10.1062, 0.2985, 0.3274



22.7179, 0.2190, 0.3085



0.8316, 0.2206, 0.3142

Inverse Universe

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



12.8546, 0.3382, 0.1637



23.2761, 0.3385, 0.1638



19.1063, 0.5257, 0.4207



9.1522, 0.3147, 0.3079



9.0757, 0.3380, 0.1636



0.3230, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 32.1268, 0.2190, 0.3083 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 32.1268, 0.2190, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

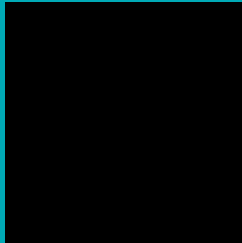
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1268, 0.2190, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 32.1268, 0.2190, 0.3083.



This preview shows how white text looks on a background with the Yxy color 32.1268, 0.2190, 0.3083.

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

32.1268, 0.2190, 0.3083

Protanopia

31.8428, 0.2946, 0.3020

Deuteranopia

31.5668, 0.2802, 0.2739



Tritanopia

32.2883, 0.2190, 0.3051

Trichromacy



Original Color

32.1268, 0.2190, 0.3083



Protanomaly

30.3391, 0.2491, 0.3040



Deuteranomaly

30.1035, 0.2416, 0.2837



Tritanomaly

32.2200, 0.2192, 0.3067

Monochromacy



Original Color

32.1268, 0.2190, 0.3083



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.0262, 0.2515, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1268, 0.2190, 0.3083 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 182) }
```

Border

The CSS property to change the border of an element to Yxy 32.1268, 0.2190, 0.3083 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, 182) }
```

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

```
.border{ border-color:rgb(0, 170, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1268, 0.2190, 0.3083 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, 182) }
```

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

```
.background{ background-color: rgb(0, 170,  
182) }
```

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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