

Converting Colors

$Y_{xy}(30.8471, 0.2443, 0.3994)$

Have a look what the booklet for
Yxy(30.8471, 0.2443, 0.3994)
contains.

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Color

Yxy(30.8471, 0.2443, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	00AB86
RGB	0, 171, 134
RGB Percent	0%, 67%, 53%
CMY	0.9993, 0.3294, 0.4745
CMYK	1.00, 0.00, 0.22, 0.33
HSL	167°, 100%, 34%
HSV	167°, 100%, 67%
XYZ	18.8682, 30.8471, 27.5183
YIQ	115.6530, -90.0390, -47.7590

Conversions

Conversions Part 2

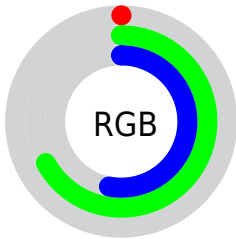
Format	Color
RYB	0, 96, 171
Decimal	43910
CIELab	62.38, -46.16, 8.69
CIELCh	62, 46.972, 169.344
Yxy	30.8471, 0.2443, 0.3994
Android (android.graphics.Color)	4278233990 (0xFF00AB86)
YUV	115.6530, 9.0451, -101.4277
Hunter-Lab	55.5402, -36.5551, 9.5019

Details

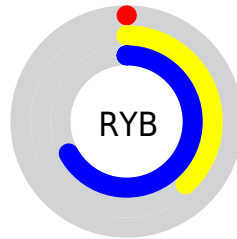
The Yxy color **30.8471, 0.2443, 0.3994** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7963, 0.6014, 0.3088**, and the grayscale version is **17.3631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8532, 0.2585, 0.3842**, and **13.5970, 0.2504, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **30.8461, 0.2443, 0.3995**, and if you desaturate by 10%, it is **31.0740, 0.2440, 0.3916**.

Distribution



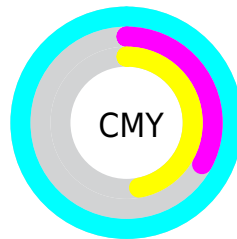
- Red (0%)
- Green (67%)
- Blue (53%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8471, 0.2443, 0.3994 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 30.8471, 0.2443, 0.3994 by changing the saturation by 10% instead.


 30.8471, 0.2443,
0.3994


 30.8471, 0.2443,
0.3994


 305.8333, 0.2813,
0.3604

 20.4824, 0.2341,
0.4106


 60.9993, 0.2584,
0.3842


 12.7462, 0.2204,
0.4259


 81.5556, 0.2635,
0.3788

 7.2540, 0.2011,
0.4481


 106.2779, 0.2678,
0.3744

 3.6215, 0.1721,
0.4831

 135.5506, 0.2713,
0.3707

 1.4642, 0.0696,
0.5800

 169.7581, 0.2744,
0.3676

 0.2633, 0.0000,
1.0000

 209.2848, 0.2770,

 0.0000, 0.0000,

0.3649

0.0000

254.5150, 0.2793,
0.3625

■ 30.8471, 0.2443,
0.3994

■ 30.8471, 0.2443,
0.3994

■ 30.8461, 0.2443,
0.3995

■ 31.0740, 0.2440,
0.3916

■ 31.4076, 0.2453,
0.3837

■ 31.8899, 0.2484,
0.3759

■ 32.5396, 0.2534,
0.3681

■ 33.3729, 0.2602,
0.3606

■ 34.4040, 0.2686,
0.3533

■ 35.6454, 0.2783,
0.3465

■ 37.1090, 0.2891,
0.3401

■ 38.8055, 0.3007,
0.3343

Harmonies

Analogous

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



30.8471, 0.3115, 0.4578



30.8471, 0.2443, 0.3994



30.8471, 0.1989, 0.3192

Triad

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



30.8471, 0.2443, 0.3994



30.8471, 0.2346, 0.2156



30.8471, 0.4622, 0.3749

Complementary

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



30.8471, 0.2443, 0.3994



8.7963, 0.6014, 0.3088

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.



30.8471, 0.4395, 0.3195



30.8471, 0.2443, 0.3994



30.8471, 0.2991, 0.2329

Square

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



30.8471, 0.2443, 0.3994



30.8471, 0.1950, 0.2218



30.8471, 0.3764, 0.2697



30.8471, 0.4390, 0.4280

Rectangle

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



30.8471, 0.2443, 0.3994



30.8471, 0.1849, 0.2736



30.8471, 0.3764, 0.2697



30.8471, 0.4600, 0.3562

Sweetspot

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



30.8483, 0.2443, 0.3994



63.6872, 0.2777, 0.3469



29.5227, 0.3082, 0.5934



13.9913, 0.2736, 0.3497



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.8483, 0.2443, 0.3994



55.2117, 0.2447, 0.4008



17.0082, 0.1986, 0.2348



9.0419, 0.3014, 0.3340



23.2616, 0.2441, 0.3987



0.6544, 0.2375, 0.3751

Inverse Universe

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



8.7963, 0.6014, 0.3088



15.7196, 0.6056, 0.3110



10.8196, 0.5989, 0.3625



8.0427, 0.3254, 0.3241



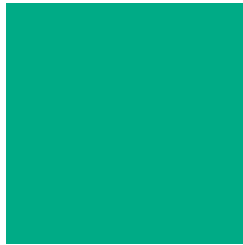
6.6342, 0.5994, 0.3076



0.1925, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 30.8471, 0.2443, 0.3994 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 30.8471, 0.2443, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

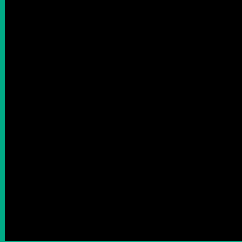
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8471, 0.2443, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 30.8471, 0.2443, 0.3994.



This preview shows how white text looks on a background with the Yxy color 30.8471, 0.2443, 0.3994.

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

30.8471, 0.2443, 0.3994

Protanopia

30.5119, 0.3476, 0.3711

Deuteranopia

30.4691, 0.3425, 0.3365



Tritanopia

30.8815, 0.2280, 0.3066

Trichromacy



Original Color

30.8471, 0.2443, 0.3994



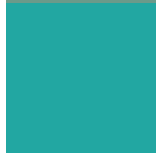
Protanomaly

28.7527, 0.2869, 0.3850



Deuteranomaly

28.0720, 0.2826, 0.3573



Tritanomaly

30.5861, 0.2319, 0.3377

Monochromacy



Original Color

30.8471, 0.2443, 0.3994



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.4942, 0.2640, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8471, 0.2443, 0.3994 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 134) }
```

Border

The CSS property to change the border of an element to Yxy 30.8471, 0.2443, 0.3994 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, 134) }
```

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

```
.border{ border-color:rgb(0, 171, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8471, 0.2443, 0.3994 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, 134) }
```

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

```
.background{ background-color: rgb(0, 171,  
134) }
```

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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