

Converting Colors

$Yxy(28.1896, 0.2428, 0.3939)$

Have a look what the booklet for
Yxy(28.1896, 0.2428, 0.3939)
contains.

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Color

Yxy(28.1896, 0.2428, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	00A483
RGB	0, 164, 131
RGB Percent	0%, 64%, 51%
CMY	0.9984, 0.3569, 0.4863
CMYK	1.00, 0.00, 0.20, 0.36
HSL	168°, 100%, 32%
HSV	168°, 100%, 64%
XYZ	17.3761, 28.1896, 25.9997
YIQ	111.2020, -87.1510, -45.0310

Conversions

Conversions Part 2

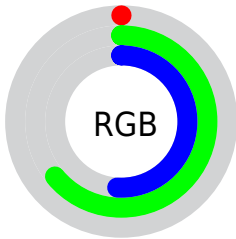
Format	Color
RYB	0, 91, 164
Decimal	42115
CIELab	60.06, -44.07, 7.06
CIELCh	60, 44.630, 170.901
Yxy	28.1896, 0.2428, 0.3939
Android (android.graphics.Color)	4278232195 (0xFF00A483)
YUV	111.2020, 9.7604, -97.5242
Hunter-Lab	53.0939, -34.4965, 8.1318

Details

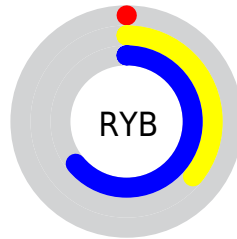
The Yxy color **28.1896, 0.2428, 0.3939** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0129, 0.6044, 0.3106**, and the grayscale version is **15.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8712, 0.2575, 0.3798**, and **11.9781, 0.2477, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **28.1858, 0.2428, 0.3941**, and if you desaturate by 10%, it is **28.3966, 0.2428, 0.3867**.

Distribution



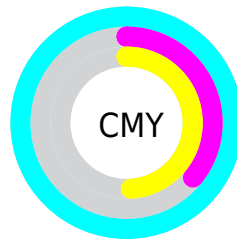
- Red (0%)
- Green (64%)
- Blue (51%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1896, 0.2428, 0.3939 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 28.1896, 0.2428, 0.3939 by changing the saturation by 10% instead.

 28.1896, 0.2428,
0.3939


 28.1896, 0.2428,
0.3939


293.3718, 0.2810,
0.3577


 18.4686, 0.2321,
0.4044


 56.7870, 0.2575,
0.3797

 11.2870, 0.2177,
0.4190


 76.4322, 0.2628,
0.3747

 6.2602, 0.1971,
0.4403


 100.1543, 0.2671,
0.3706

 3.0039, 0.1658,
0.4744

 128.3377, 0.2708,
0.3672

 1.1338, 0.0000,
0.6119

 161.3667, 0.2739,
0.3642

 0.0066, 0.0000,
1.0000

 199.6258, 0.2766,

 0.0000, 0.0000,

0.3617

0.0000

243.4994, 0.2789,
0.3596

■ 28.1896, 0.2428,
0.3939

■ 28.1896, 0.2428,
0.3939

■ 28.1858, 0.2428,
0.3941

■ 28.3966, 0.2428,
0.3867

■ 28.7000, 0.2442,
0.3795

■ 29.1383, 0.2475,
0.3722

■ 29.7285, 0.2526,
0.3651

■ 30.4849, 0.2596,
0.3581

■ 31.4204, 0.2681,
0.3514

■ 32.5463, 0.2780,
0.3451

■ 33.8731, 0.2890,
0.3392

■ 35.4106, 0.3007,
0.3338

Harmonies

Analogous

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



28.1896, 0.3080, 0.4530



28.1896, 0.2428, 0.3939



28.1896, 0.1995, 0.3157

Triad

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



28.1896, 0.2428, 0.3939



28.1896, 0.2388, 0.2179



28.1896, 0.4591, 0.3772

Complementary

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



28.1896, 0.2428, 0.3939



8.0129, 0.6044, 0.3106

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.



28.1896, 0.4391, 0.3226



28.1896, 0.2428, 0.3939



28.1896, 0.3033, 0.2361

Square

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



28.1896, 0.2428, 0.3939



28.1896, 0.1984, 0.2229



28.1896, 0.3789, 0.2731



28.1896, 0.4345, 0.4288

Rectangle

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



28.1896, 0.2428, 0.3939



28.1896, 0.1866, 0.2719



28.1896, 0.3789, 0.2731



28.1896, 0.4576, 0.3589

Sweetspot

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



28.1907, 0.2428, 0.3939



58.9012, 0.2772, 0.3456



26.9225, 0.3084, 0.5931



12.6919, 0.2731, 0.3481



82.7571, 0.3127, 0.3290



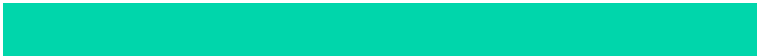
14.7319, 0.3127, 0.3290

Same Dimension

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



28.1907, 0.2428, 0.3939



51.1349, 0.2432, 0.3954



15.5563, 0.1987, 0.2352



7.9867, 0.3013, 0.3336



21.6198, 0.2426, 0.3934



0.4602, 0.2354, 0.3673

Inverse Universe

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



8.0129, 0.6044, 0.3106



14.5021, 0.6091, 0.3129



9.9066, 0.5980, 0.3630



7.1082, 0.3255, 0.3245



6.1418, 0.6029, 0.3095



0.1350, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 28.1896, 0.2428, 0.3939 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1896, 0.2428, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

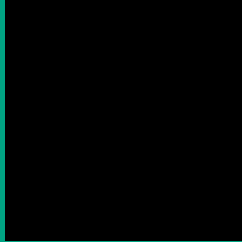
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1896, 0.2428, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 28.1896, 0.2428, 0.3939.

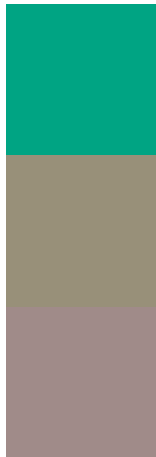


This preview shows how white text looks on a background with the Yxy color 28.1896, 0.2428, 0.3939.

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

28.1896, 0.2428, 0.3939

Protanopia

28.0024, 0.3448, 0.3661

Deuteranopia

27.7450, 0.3382, 0.3322



Tritanopia

28.4147, 0.2280, 0.3076

Trichromacy



Original Color

28.1896, 0.2428, 0.3939



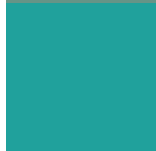
Protanomaly

26.1553, 0.2844, 0.3776



Deuteranomaly

25.7539, 0.2800, 0.3527



Tritanomaly

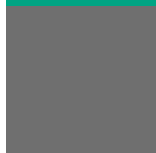
28.1971, 0.2319, 0.3380

Monochromacy



Original Color

28.1896, 0.2428, 0.3939



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.6129, 0.2640, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1896, 0.2428, 0.3939 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, 164, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 131)  
}
```

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, 164, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 131) }
```

Border

The CSS property to change the border of an element to Yxy 28.1896, 0.2428, 0.3939 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, 164, 131) }
```

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

```
.border{ border-color:rgb(0, 164, 131) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1896, 0.2428, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 131) }
```

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

```
.background{ background-color: rgb(0, 164,  
131) }
```

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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