

Converting Colors

$Yxy(26.8593, 0.2393, 0.3814)$

Have a look what the booklet for
Yxy(26.8593, 0.2393, 0.3814)
contains.

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Color

Yxy(26.8628, 0.2391, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	00A086
RGB	0, 160, 134
RGB Percent	0%, 63%, 53%
CMY	0.9986, 0.3726, 0.4746
CMYK	1.00, 0.00, 0.16, 0.37
HSL	170°, 100%, 31%
HSV	170°, 100%, 63%
XYZ	16.8757, 26.8628, 26.8416
YIQ	109.1960, -87.0140, -42.0060

Conversions

Conversions Part 2

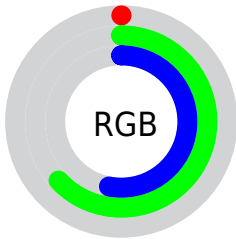
Format	Color
RYB	0, 87, 160
Decimal	41094
CIELab	58.85, -41.59, 3.64
CIElCh	59, 41.751, 174.995
Yxy	26.8628, 0.2391, 0.3806
Android (android.graphics.Color)	4278231174 (0xFF00A086)
YUV	109.1960, 12.2284, -95.7649
Hunter-Lab	51.8293, -32.5815, 5.5751

Details

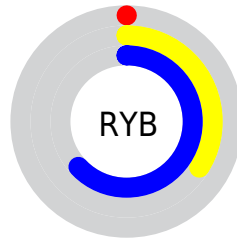
The Yxy color **26.8628, 0.2391, 0.3806** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.5573, 0.6139, 0.3158**, and the grayscale version is **15.3650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8732, 0.2546, 0.3702**, and **11.1555, 0.2433, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **26.8600, 0.2391, 0.3807**, and if you desaturate by 10%, it is **27.0485, 0.2395, 0.3749**.

Distribution



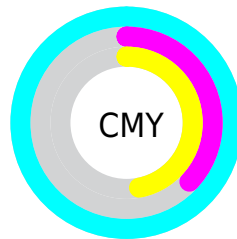
- Red (0%)
- Green (63%)
- Blue (53%)



- Red (0%)
- Yellow (34%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8628, 0.2391, 0.3806 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 26.8628, 0.2391, 0.3806 by changing the saturation by 10% instead.


 26.8628, 0.2391,
0.3806


 26.8628, 0.2391,
0.3806


286.9922, 0.2792,
0.3520


 17.4702, 0.2279,
0.3888


 54.6636, 0.2545,
0.3695


 10.5703, 0.2128,
0.4000


 73.8407, 0.2601,
0.3655


 5.7787, 0.1913,
0.4164

 97.0479, 0.2646,
0.3623

 2.7110, 0.1589,
0.4421

 124.6699, 0.2685,
0.3596

 0.9828, 0.0000,
0.5476

 157.0909, 0.2718,
0.3573

 0.0000, 0.0000,
0.0000

 194.6954, 0.2746,

0.3553

237.8677, 0.2770,
0.3535

■ 26.8628, 0.2391,
0.3806

■ 26.8628, 0.2391,
0.3806

■ 26.8600, 0.2391,
0.3807

■ 27.0485, 0.2395,
0.3749

■ 27.3234, 0.2412,
0.3692

■ 27.7249, 0.2448,
0.3635

■ 28.2689, 0.2503,
0.3578

■ 28.9689, 0.2575,
0.3523

■ 29.8367, 0.2664,
0.3470

■ 30.8834, 0.2766,
0.3419

■ 32.1186, 0.2880,
0.3372

■ 33.5515, 0.3002,
0.3329

Harmonies

Analogous

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



26.8628, 0.2995, 0.4411



26.8628, 0.2391, 0.3806



26.8628, 0.2010, 0.3074

Triad

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



26.8628, 0.2391, 0.3806



26.8628, 0.2495, 0.2237



26.8628, 0.4513, 0.3831

Complementary

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



26.8628, 0.2391, 0.3806



7.5573, 0.6139, 0.3158

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.



26.8628, 0.4381, 0.3304



26.8628, 0.2391, 0.3806



26.8628, 0.3136, 0.2439

Square

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



26.8628, 0.2391, 0.3806



26.8628, 0.2071, 0.2254



26.8628, 0.3851, 0.2816



26.8628, 0.4234, 0.4307

Rectangle

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



26.8628, 0.2391, 0.3806



26.8628, 0.1909, 0.2679



26.8628, 0.3851, 0.2816



26.8628, 0.4518, 0.3656

Sweetspot

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



26.8638, 0.2391, 0.3806



55.9127, 0.2758, 0.3423



25.3742, 0.3056, 0.5954



12.0916, 0.2716, 0.3443



80.7346, 0.3127, 0.3290



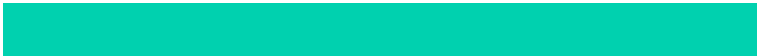
13.9985, 0.3127, 0.3290

Same Dimension

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



26.8638, 0.2391, 0.3806



48.7460, 0.2394, 0.3818



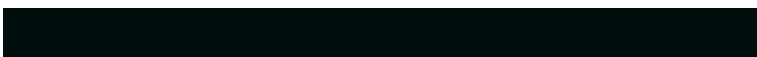
13.0104, 0.1939, 0.2177



7.4909, 0.3009, 0.3327



20.9295, 0.2390, 0.3802



0.3787, 0.2326, 0.3574

Inverse Universe

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



7.5573, 0.6139, 0.3158



13.6859, 0.6181, 0.3179



10.0724, 0.5853, 0.3732



6.6629, 0.3260, 0.3254



5.8848, 0.6126, 0.3148



0.1096, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 26.8628, 0.2391, 0.3806 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 26.8628, 0.2391, 0.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

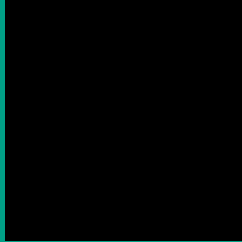
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8628, 0.2391, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 26.8628, 0.2391, 0.3806.

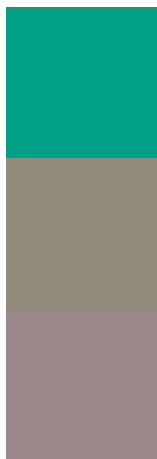


This preview shows how white text looks on a background with the Yxy color 26.8628, 0.2391, 0.3806.

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

26.8628, 0.2391, 0.3806

Protanopia

26.4144, 0.3371, 0.3555

Deuteranopia

26.4410, 0.3309, 0.3243



Tritanopia

26.8507, 0.2265, 0.3053

Trichromacy



Original Color

26.8628, 0.2391, 0.3806



Protanomaly

24.8056, 0.2788, 0.3650



Deuteranomaly

24.7096, 0.2752, 0.3437



Tritanomaly

26.7755, 0.2292, 0.3306

Monochromacy



Original Color

26.8628, 0.2391, 0.3806



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.0116, 0.2617, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8628, 0.2391, 0.3806 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, 160, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 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, 160, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 134) }
```

Border

The CSS property to change the border of an element to Yxy 26.8628, 0.2391, 0.3806 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, 160, 134) }
```

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

```
.border{ border-color:rgb(0, 160, 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, 160, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8628, 0.2391, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 134) }
```

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

```
.background{ background-color: rgb(0, 160,  
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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