

Converting Colors

$Yxy(18.5346, 0.2189, 0.3373)$

Have a look what the booklet for
Yxy(18.5346, 0.2189, 0.3373)
contains.

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Color

Yxy(18.9666, 0.2271, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	008783
RGB	0, 135, 131
RGB Percent	0%, 53%, 51%
CMY	1.0000, 0.4706, 0.4863
CMYK	1.00, 0.00, 0.03, 0.47
HSL	178°, 100%, 26%
HSV	178°, 100%, 53%
XYZ	12.7586, 18.9666, 24.4555
YIQ	94.1790, -79.1760, -29.8640

Conversions

Conversions Part 2

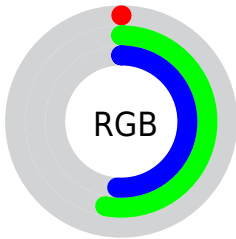
Format	Color
RYB	0, 69, 135
Decimal	34691
CIELab	50.65, -31.27, -6.66
CIELCh	51, 31.967, 192.029
Yxy	18.9666, 0.2271, 0.3376
Android (android.graphics.Color)	4278224771 (0xFF008783)
YUV	94.1790, 18.1528, -82.5950
Hunter-Lab	43.5507, -23.9202, -2.8083

Details

The Yxy color **18.9666, 0.2271, 0.3376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.1602, 0.6355, 0.3275**, and the grayscale version is **11.2087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7407, 0.2459, 0.3365**, and **6.9498, 0.2265, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **18.9680, 0.2271, 0.3376**, and if you desaturate by 10%, it is **19.0684, 0.2288, 0.3367**.

Distribution



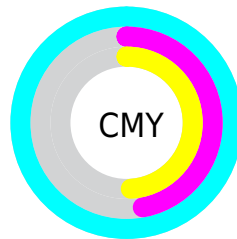
- Red (0%)
- Green (53%)
- Blue (51%)



- Red (0%)
- Yellow (27%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9666, 0.2271, 0.3376 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 18.9666, 0.2271, 0.3376 by changing the saturation by 10% instead.


 18.9666, 0.2271,
0.3376


 18.9666, 0.2271,
0.3376


 246.2643, 0.2752,
0.3338


 11.6461, 0.2131,
0.3381


 41.6777, 0.2460,
0.3364


 6.5032, 0.1937,
0.3384

 57.8370, 0.2527,
0.3359


 3.1534, 0.1656,
0.3377

 77.7115, 0.2581,
0.3355

 1.2123, 0.1006,
0.3414

 101.6855, 0.2627,
0.3351

 0.0717, 0.0000,
0.1165

 130.1434, 0.2665,
0.3347

 0.0000, 0.0000,
0.0000

 163.4696, 0.2698,

0.3344

202.0484, 0.2727,
0.3341

■ 18.9666, 0.2271,
0.3376

■ 18.9666, 0.2271,
0.3376

■ 18.9680, 0.2271,
0.3376

■ 19.0684, 0.2288,
0.3367

■ 19.2229, 0.2317,
0.3357

■ 19.4622, 0.2363,
0.3348

■ 19.7963, 0.2427,
0.3339

■ 20.2342, 0.2509,
0.3330

■ 20.7837, 0.2607,
0.3321

■ 21.4518, 0.2721,
0.3312

■ 22.2451, 0.2847,
0.3304

■ 23.1695, 0.2983,
0.3297

Harmonies

Analogous

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



18.9666, 0.2706, 0.3982



18.9666, 0.2271, 0.3376



18.9666, 0.2066, 0.2816

Triad

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



18.9666, 0.2271, 0.3376



18.9666, 0.2881, 0.2444



18.9666, 0.4233, 0.4025

Complementary

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



18.9666, 0.2271, 0.3376



5.1602, 0.6355, 0.3275

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.



18.9666, 0.4319, 0.3581



18.9666, 0.2271, 0.3376



18.9666, 0.3493, 0.2718

Square

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



18.9666, 0.2271, 0.3376



18.9666, 0.2390, 0.2348



18.9666, 0.4042, 0.3119



18.9666, 0.3842, 0.4337

Rectangle

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



18.9666, 0.2271, 0.3376



18.9666, 0.2068, 0.2555



18.9666, 0.4042, 0.3119



18.9666, 0.4301, 0.3884

Sweetspot

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



18.9680, 0.2271, 0.3376



38.3249, 0.2713, 0.3313



17.3588, 0.3010, 0.5992



8.7693, 0.2670, 0.3316



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.9680, 0.2271, 0.3376



33.9602, 0.2272, 0.3378



6.3846, 0.1814, 0.1731



5.2765, 0.2996, 0.3296



17.4895, 0.2271, 0.3376



0.0608, 0.2258, 0.3328

Inverse Universe

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



5.1602, 0.6355, 0.3275



9.2358, 0.6367, 0.3281



8.7068, 0.5465, 0.4043



4.6908, 0.3275, 0.3284



4.7583, 0.6353, 0.3273



0.0166, 0.6143, 0.3157

Previews

White Background



This preview shows how the Yxy color 18.9666, 0.2271, 0.3376 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 18.9666, 0.2271, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

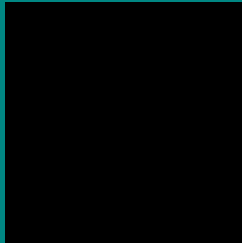
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9666, 0.2271, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 18.9666, 0.2271, 0.3376.



This preview shows how white text looks on a background with the Yxy color 18.9666, 0.2271, 0.3376.

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

18.9666, 0.2271, 0.3376

Protanopia

18.7364, 0.3130, 0.3233

Deuteranopia

18.8318, 0.3019, 0.2962



Tritanopia

19.0356, 0.2233, 0.3057

Trichromacy



Original Color

18.9666, 0.2271, 0.3376

Protanomaly

17.7676, 0.2624, 0.3289

Deuteranomaly

17.8420, 0.2560, 0.3083

Tritanomaly

19.0429, 0.2244, 0.3181

Monochromacy



Original Color

18.9666, 0.2271, 0.3376

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.9595, 0.2572, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9666, 0.2271, 0.3376 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, 135, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 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, 135, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 131) }
```

Border

The CSS property to change the border of an element to Yxy 18.9666, 0.2271, 0.3376 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, 135, 131) }
```

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

```
.border{ border-color:rgb(0, 135, 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, 135, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9666, 0.2271, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 131) }
```

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

```
.background{ background-color: rgb(0, 135,  
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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