

Converting Colors

$Yxy(26.9385, 0.2426, 0.3935)$

Have a look what the booklet for
Yxy(26.9385, 0.2426, 0.3935)
contains.

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Color

Yxy(27.0483, 0.2431, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	00A180
RGB	0, 161, 128
RGB Percent	0%, 63%, 50%
CMY	0.9996, 0.3686, 0.4980
CMYK	1.00, 0.00, 0.20, 0.37
HSL	168°, 100%, 32%
HSV	168°, 100%, 63%
XYZ	16.6425, 27.0483, 24.7686
YIQ	109.0990, -85.3630, -44.3950

Conversions

Conversions Part 2

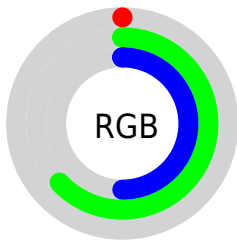
Format	Color
RYB	0, 90, 161
Decimal	41344
CIELab	59.02, -43.63, 7.25
CIELCh	59, 44.233, 170.561
Yxy	27.0483, 0.2431, 0.3951
Android (android.graphics.Color)	4278231424 (0xFF00A180)
YUV	109.0990, 9.3182, -95.6798
Hunter-Lab	52.0080, -33.8942, 8.1689

Details

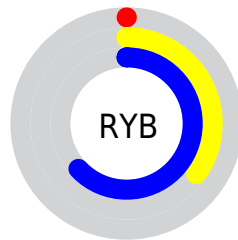
The Yxy color **27.0483, 0.2431, 0.3951** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.6899, 0.6037, 0.3100**, and the grayscale version is **15.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1356, 0.2579, 0.3805**, and **11.2896, 0.2483, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **27.0480, 0.2431, 0.3952**, and if you desaturate by 10%, it is **27.2490, 0.2431, 0.3878**.

Distribution



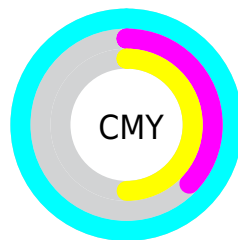
- Red (0%)
- Green (63%)
- Blue (50%)



- Red (0%)
- Yellow (35%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0483, 0.2431, 0.3951 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 27.0483, 0.2431, 0.3951 by changing the saturation by 10% instead.


 27.0483, 0.2431,
0.3951

 27.0483, 0.2431,
0.3951


 287.8909, 0.2814,
0.3579


 17.6095, 0.2323,
0.4060


 54.9614, 0.2579,
0.3805


 10.6700, 0.2175,
0.4212


 74.2044, 0.2632,
0.3753

 5.8454, 0.1964,
0.4437

 97.4843, 0.2676,
0.3711

 2.7513, 0.1639,
0.4800

 125.1855, 0.2712,
0.3676

 1.0033, 0.0000,
0.6337

 157.6924, 0.2743,
0.3646

 0.0000, 0.0000,
0.0000

 195.3893, 0.2770,

0.3621

238.6607, 0.2793,
0.3599

■ 27.0483, 0.2431,
0.3951

■ 27.0483, 0.2431,
0.3951

■ 27.0480, 0.2431,
0.3952

■ 27.2490, 0.2431,
0.3878

■ 27.5403, 0.2444,
0.3804

■ 27.9607, 0.2477,
0.3730

■ 28.5265, 0.2528,
0.3658

■ 29.2515, 0.2597,
0.3587

■ 30.1477, 0.2682,
0.3519

■ 31.2262, 0.2780,
0.3455

■ 32.4971, 0.2889,
0.3395

■ 33.9696, 0.3006,
0.3340

Harmonies

Analogous

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



27.0483, 0.3088, 0.4541



27.0483, 0.2431, 0.3951



27.0483, 0.1994, 0.3164

Triad

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



27.0483, 0.2431, 0.3951



27.0483, 0.2379, 0.2174



27.0483, 0.4598, 0.3767

Complementary

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



27.0483, 0.2431, 0.3951



7.6899, 0.6037, 0.3100

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.



27.0483, 0.4393, 0.3219



27.0483, 0.2431, 0.3951



27.0483, 0.3024, 0.2354

Square

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



27.0483, 0.2431, 0.3951



27.0483, 0.1977, 0.2226



27.0483, 0.3784, 0.2723



27.0483, 0.4355, 0.4287

Rectangle

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



27.0483, 0.2431, 0.3951



27.0483, 0.1862, 0.2723



27.0483, 0.3784, 0.2723



27.0483, 0.4582, 0.3583

Sweetspot

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



27.0493, 0.2431, 0.3951



55.7913, 0.2773, 0.3459



25.8469, 0.3084, 0.5932



12.0618, 0.2733, 0.3484



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.



27.0493, 0.2431, 0.3951



48.4114, 0.2435, 0.3965



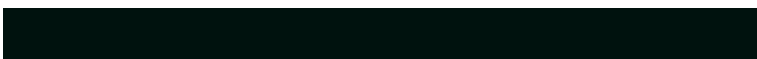
14.9302, 0.1987, 0.2352



7.9863, 0.3014, 0.3336



21.6083, 0.2429, 0.3945



0.4600, 0.2356, 0.3680

Inverse Universe

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



7.6899, 0.6037, 0.3100



13.7434, 0.6079, 0.3122



9.5076, 0.5982, 0.3631



7.1086, 0.3254, 0.3244



6.1443, 0.6020, 0.3090



0.1352, 0.5139, 0.2604

Previews

White Background



This preview shows how the Yxy color 27.0483, 0.2431, 0.3951 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 27.0483, 0.2431, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

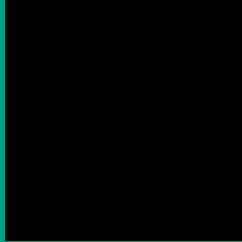
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0483, 0.2431, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 27.0483, 0.2431, 0.3951.



This preview shows how white text looks on a background with the Yxy color 27.0483, 0.2431, 0.3951.

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

27.0483, 0.2431, 0.3951

Protanopia

26.7473, 0.3455, 0.3668

Deuteranopia

26.5709, 0.3409, 0.3338



Tritanopia

27.2571, 0.2279, 0.3072

Trichromacy



Original Color

27.0483, 0.2431, 0.3951



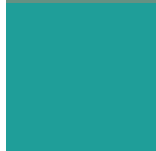
Protanomaly

25.0178, 0.2848, 0.3785



Deuteranomaly

24.6562, 0.2821, 0.3550



Tritanomaly

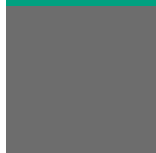
27.0449, 0.2319, 0.3382

Monochromacy



Original Color

27.0483, 0.2431, 0.3951



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.9645, 0.2635, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0483, 0.2431, 0.3951 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, 161, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 128)  
}
```

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, 161, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 128) }
```

Border

The CSS property to change the border of an element to Yxy 27.0483, 0.2431, 0.3951 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, 161, 128) }
```

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

```
.border{ border-color:rgb(0, 161, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0483, 0.2431, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 128) }
```

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

```
.background{ background-color: rgb(0, 161,  
128) }
```

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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