

Converting Colors

$Yxy(21.9177, 0.1262, 0.4119)$

Have a look what the booklet for
Yxy(21.9177, 0.1262, 0.4119)
contains.

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Color

Yxy(27.0747, 0.2425, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	00A181
RGB	0, 161, 129
RGB Percent	0%, 63%, 51%
CMY	1.0000, 0.3686, 0.4941
CMYK	1.00, 0.00, 0.20, 0.37
HSL	168°, 100%, 32%
HSV	168°, 100%, 63%
XYZ	16.7064, 27.0747, 25.1113
YIQ	109.2130, -85.6840, -44.0840

Conversions

Conversions Part 2

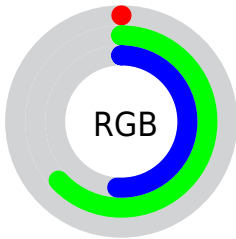
Format	Color
RYB	0, 89, 161
Decimal	41345
CIELab	59.04, -43.38, 6.74
CIELCh	59, 43.901, 171.174
Yxy	27.0747, 0.2425, 0.3930
Android (android.graphics.Color)	4278231425 (0xFF00A181)
YUV	109.2130, 9.7550, -95.7798
Hunter-Lab	52.0334, -33.7472, 7.8100

Details

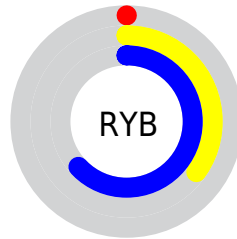
The Yxy color **27.0747, 0.2425, 0.3930** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.6818, 0.6056, 0.3110**, and the grayscale version is **15.3468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1768, 0.2574, 0.3790**, and **11.3043, 0.2474, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **27.0759, 0.2425, 0.3930**, and if you desaturate by 10%, it is **27.2735, 0.2425, 0.3859**.

Distribution



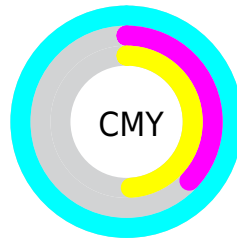
- Red (0%)
- Green (63%)
- Blue (51%)



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



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




- Cyan (100%)
- Magenta (37%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0747, 0.2425, 0.3930 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 27.0747, 0.2425, 0.3930 by changing the saturation by 10% instead.


 27.0747, 0.2425,
0.3930


 27.0747, 0.2425,
0.3930


288.0186, 0.2810,
0.3571


 17.6293, 0.2316,
0.4035


 55.0037, 0.2574,
0.3789


 10.6842, 0.2168,
0.4181


 74.2561, 0.2627,
0.3739

 5.8549, 0.1957,
0.4397

 97.5464, 0.2671,
0.3698

 2.7571, 0.1633,
0.4744

 125.2589, 0.2708,
0.3665

 1.0063, 0.0000,
0.6191

 157.7779, 0.2739,
0.3636

 0.0000, 0.0000,
0.0000

 195.4880, 0.2766,

0.3611

238.7734, 0.2790,
0.3590

■ 27.0747, 0.2425,
0.3930

■ 27.0747, 0.2425,
0.3930

■ 27.0759, 0.2425,
0.3930

■ 27.2735, 0.2425,
0.3859

■ 27.5619, 0.2439,
0.3788

■ 27.9792, 0.2472,
0.3717

■ 28.5416, 0.2524,
0.3646

■ 29.2629, 0.2593,
0.3578

■ 30.1552, 0.2678,
0.3512

■ 31.2296, 0.2777,
0.3450

■ 32.4961, 0.2886,
0.3392

■ 33.9640, 0.3004,
0.3339

Harmonies

Analogous

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



27.0747, 0.3074, 0.4523



27.0747, 0.2425, 0.3930



27.0747, 0.1996, 0.3151

Triad

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



27.0747, 0.2425, 0.3930



27.0747, 0.2395, 0.2183



27.0747, 0.4586, 0.3777

Complementary

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



27.0747, 0.2425, 0.3930



7.6818, 0.6056, 0.3110

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.



27.0747, 0.4391, 0.3232



27.0747, 0.2425, 0.3930



27.0747, 0.3040, 0.2366

Square

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



27.0747, 0.2425, 0.3930



27.0747, 0.1990, 0.2230



27.0747, 0.3794, 0.2736



27.0747, 0.4338, 0.4290

Rectangle

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



27.0747, 0.2425, 0.3930



27.0747, 0.1869, 0.2716



27.0747, 0.3794, 0.2736



27.0747, 0.4573, 0.3594

Sweetspot

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



27.0759, 0.2425, 0.3930



55.8091, 0.2771, 0.3454



25.8015, 0.3074, 0.5942



12.0662, 0.2731, 0.3478



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.



27.0759, 0.2425, 0.3930



48.4595, 0.2429, 0.3943



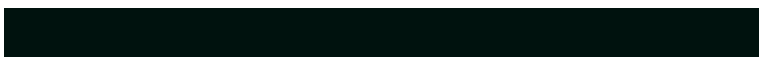
14.3174, 0.1970, 0.2292



7.9870, 0.3013, 0.3335



21.6294, 0.2423, 0.3924



0.4603, 0.2352, 0.3668

Inverse Universe

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



7.6818, 0.6056, 0.3110



13.7340, 0.6095, 0.3131



9.7161, 0.5944, 0.3663



7.1079, 0.3255, 0.3246



6.1398, 0.6037, 0.3099



0.1349, 0.5167, 0.2620

Previews

White Background



This preview shows how the Yxy color 27.0747, 0.2425, 0.3930 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 27.0747, 0.2425, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

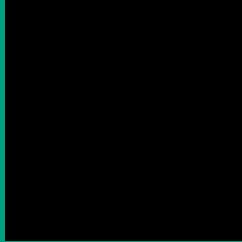
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0747, 0.2425, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 27.0747, 0.2425, 0.3930.



This preview shows how white text looks on a background with the Yxy color 27.0747, 0.2425, 0.3930.

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

27.0747, 0.2425, 0.3930

Protanopia

26.7712, 0.3444, 0.3652

Deuteranopia

26.4976, 0.3387, 0.3322



Tritanopia

27.2325, 0.2276, 0.3072

Trichromacy



Original Color

27.0747, 0.2425, 0.3930



Protanomaly

25.0428, 0.2840, 0.3766



Deuteranomaly

24.6261, 0.2803, 0.3532



Tritanomaly

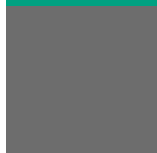
27.0781, 0.2313, 0.3363

Monochromacy



Original Color

27.0747, 0.2425, 0.3930



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 27.0747, 0.2425, 0.3930 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 129) }
```

Border

The CSS property to change the border of an element to Yxy 27.0747, 0.2425, 0.3930 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, 129) }
```

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

```
.border{ border-color:rgb(0, 161, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0747, 0.2425, 0.3930 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, 129) }
```

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

```
.background{ background-color: rgb(0, 161,  
129) }
```

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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