

Converting Colors

$Yxy(23.5940, 0.1615, 0.4561)$

Have a look what the booklet for
Yxy(23.5940, 0.1615, 0.4561)
contains.

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Color

Yxy(27.7432, 0.2535, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	00A471
RGB	0, 164, 113
RGB Percent	0%, 64%, 44%
CMY	1.0000, 0.3568, 0.5569
CMYK	1.00, 0.00, 0.31, 0.36
HSL	161°, 100%, 32%
HSV	161°, 100%, 64%
XYZ	16.2535, 27.7432, 20.1198
YIQ	109.1500, -81.3730, -50.6290

Conversions

Conversions Part 2

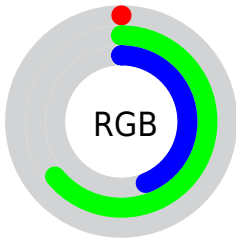
Format	Color
RYB	0, 97, 164
Decimal	42097
CIELab	59.66, -48.58, 16.53
CIELCh	60, 51.310, 161.212
Yxy	27.7432, 0.2535, 0.4327
Android (android.graphics.Color)	4278232177 (0xFF00A471)
YUV	109.1500, 1.8980, -95.7246
Hunter-Lab	52.6718, -37.0939, 14.2225

Details

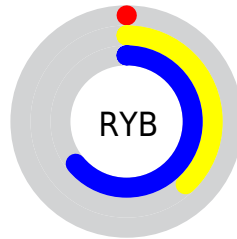
The Yxy color **27.7432, 0.2535, 0.4327** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.1324, 0.5701, 0.2914**, and the grayscale version is **15.3506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0767, 0.2668, 0.4088**, and **11.7505, 0.2623, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **27.7459, 0.2535, 0.4327**, and if you desaturate by 10%, it is **27.9777, 0.2525, 0.4211**.

Distribution



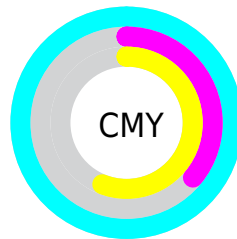
- Red (0%)
- Green (64%)
- Blue (44%)



- Red (0%)
- Yellow (38%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7432, 0.2535, 0.4327 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 27.7432, 0.2535, 0.4327 by changing the saturation by 10% instead.


 27.7432, 0.2535,
0.4327


 27.7432, 0.2535,
0.4327


291.2378, 0.2871,
0.3731


 18.1322, 0.2435,
0.4508


 56.0742, 0.2668,
0.4089

 11.0449, 0.2296,
0.4763


 75.5629, 0.2715,
0.4006


 6.0971, 0.2090,
0.5147

 99.1130, 0.2753,
0.3939

 2.9042, 0.1758,
0.5781

 127.1089, 0.2784,
0.3883

 1.0819, 0.0000,
0.9921

 159.9349, 0.2811,
0.3836

 0.0000, 0.0000,
0.0000

 197.9755, 0.2834,

0.3796

241.6150, 0.2854,
0.3762

■ 27.7432, 0.2535,
0.4327

■ 27.7432, 0.2535,
0.4327

■ 27.7459, 0.2535,
0.4327

■ 27.9777, 0.2525,
0.4211

■ 28.3088, 0.2529,
0.4094

■ 28.7781, 0.2553,
0.3977

■ 29.4028, 0.2595,
0.3862

■ 30.1973, 0.2655,
0.3750

■ 31.1744, 0.2731,
0.3644

■ 32.3458, 0.2818,
0.3544

■ 33.7221, 0.2916,
0.3452

■ 35.3129, 0.3019,
0.3367

Harmonies

Analogous

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



27.7432, 0.3315, 0.4844



27.7432, 0.2535, 0.4327



27.7432, 0.1960, 0.3409

Triad

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



27.7432, 0.2535, 0.4327



27.7432, 0.2107, 0.2025



27.7432, 0.4796, 0.3607

Complementary

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



27.7432, 0.2535, 0.4327



8.1324, 0.5701, 0.2914

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.



27.7432, 0.4404, 0.3012



27.7432, 0.2535, 0.4327



27.7432, 0.2749, 0.2152

Square

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



27.7432, 0.2535, 0.4327



27.7432, 0.1757, 0.2161



27.7432, 0.3605, 0.2501



27.7432, 0.4648, 0.4217

Rectangle

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



27.7432, 0.2535, 0.4327



27.7432, 0.1752, 0.2844



27.7432, 0.3605, 0.2501



27.7432, 0.4725, 0.3404

Sweetspot

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



27.7459, 0.2535, 0.4327



58.5774, 0.2813, 0.3550



27.2820, 0.3162, 0.5872



12.6130, 0.2777, 0.3589



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.



27.7459, 0.2535, 0.4327



50.3192, 0.2541, 0.4348



19.7141, 0.2083, 0.2698



7.9736, 0.3027, 0.3361



21.2808, 0.2532, 0.4316



0.4550, 0.2416, 0.3897

Inverse Universe

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



8.1324, 0.5701, 0.2914



14.7270, 0.5747, 0.2940



8.8253, 0.6193, 0.3464



7.1206, 0.3238, 0.3220



6.2427, 0.5676, 0.2900



0.1393, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 27.7432, 0.2535, 0.4327 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 27.7432, 0.2535, 0.4327 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 27.7432, 0.2535, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 27.7432, 0.2535, 0.4327.



This preview shows how white text looks on a background with the Yxy color 27.7432, 0.2535, 0.4327.

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

27.7432, 0.2535, 0.4327

Protanopia

27.4942, 0.3663, 0.3934

Deuteranopia

27.2226, 0.3645, 0.3570



Tritanopia

27.8570, 0.2299, 0.3058

Trichromacy



Original Color

27.7432, 0.2535, 0.4327



Protanomaly

25.7914, 0.3004, 0.4130



Deuteranomaly

25.1550, 0.2982, 0.3853



Tritanomaly

27.6866, 0.2364, 0.3496

Monochromacy



Original Color

27.7432, 0.2535, 0.4327



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.0915, 0.2690, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7432, 0.2535, 0.4327 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 113) }
```

Border

The CSS property to change the border of an element to Yxy 27.7432, 0.2535, 0.4327 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, 113) }
```

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

```
.border{ border-color:rgb(0, 164, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7432, 0.2535, 0.4327 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, 113) }
```

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

```
.background{ background-color: rgb(0, 164,  
113) }
```

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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