

Converting Colors

$Yxy(25.9610, 0.2152, 0.4166)$

Have a look what the booklet for
Yxy(25.9610, 0.2152, 0.4166)
contains.

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Color

Yxy(27.6244, 0.2470, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	00A37B
RGB	0, 163, 123
RGB Percent	0%, 64%, 48%
CMY	1.0000, 0.3608, 0.5176
CMYK	1.00, 0.00, 0.25, 0.36
HSL	165°, 100%, 32%
HSV	165°, 100%, 64%
XYZ	16.6705, 27.6244, 23.1969
YIQ	109.7030, -84.3080, -46.9960

Conversions

Conversions Part 2

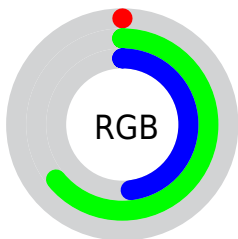
Format	Color
RYB	0, 93, 163
Decimal	41851
CIELab	59.55, -45.76, 10.80
CIELCh	60, 47.015, 166.714
Yxy	27.6244, 0.2470, 0.4093
Android (android.graphics.Color)	4278231931 (0xFF00A37B)
YUV	109.7030, 6.5554, -96.2095
Hunter-Lab	52.5589, -35.3620, 10.6235

Details

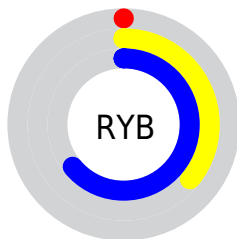
The Yxy color **27.6244, 0.2470, 0.4093** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.9404, 0.5923, 0.3036**, and the grayscale version is **15.5040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9713, 0.2609, 0.3907**, and **11.6463, 0.2539, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **27.6272, 0.2470, 0.4093**, and if you desaturate by 10%, it is **27.8422, 0.2466, 0.4003**.

Distribution



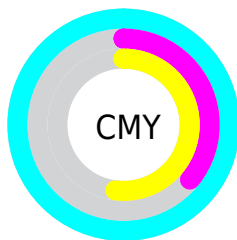
- Red (0%)
- Green (64%)
- Blue (48%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6244, 0.2470, 0.4093 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 27.6244, 0.2470, 0.4093 by changing the saturation by 10% instead.


 27.6244, 0.2470,
0.4093


 27.6244, 0.2470,
0.4093


290.6678, 0.2834,
0.3638


 18.0427, 0.2366,
0.4229

 55.8842, 0.2612,
0.3913


 10.9807, 0.2223,
0.4418


 75.3311, 0.2662,
0.3850

 6.0538, 0.2016,
0.4701

 98.8353, 0.2704,
0.3798

 2.8778, 0.1693,
0.5164

 126.7810, 0.2738,
0.3755

 1.0683, 0.0000,
0.7298

 159.5527, 0.2768,
0.3719

 0.0000, 0.0000,
0.0000

 197.5348, 0.2793,

0.3688

241.1117, 0.2815,
0.3661

■ 27.6244, 0.2470,
0.4093

■ 27.6244, 0.2470,
0.4093

■ 27.6272, 0.2470,
0.4093

■ 27.8422, 0.2466,
0.4003

■ 28.1526, 0.2476,
0.3914

■ 28.5969, 0.2505,
0.3824

■ 29.1919, 0.2553,
0.3735

■ 29.9519, 0.2618,
0.3649

■ 30.8894, 0.2700,
0.3567

■ 32.0158, 0.2794,
0.3489

■ 33.3415, 0.2898,
0.3417

■ 34.8760, 0.3010,
0.3350

Harmonies

Analogous

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



27.6244, 0.3175, 0.4662



27.6244, 0.2470, 0.4093



27.6244, 0.1979, 0.3255

Triad

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



27.6244, 0.2470, 0.4093



27.6244, 0.2272, 0.2115



27.6244, 0.4676, 0.3707

Complementary

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



27.6244, 0.2470, 0.4093



7.9404, 0.5923, 0.3036

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.



27.6244, 0.4401, 0.3139



27.6244, 0.2470, 0.4093



27.6244, 0.2918, 0.2275

Square

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



27.6244, 0.2470, 0.4093



27.6244, 0.1890, 0.2200



27.6244, 0.3718, 0.2636



27.6244, 0.4469, 0.4263

Rectangle

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



27.6244, 0.2470, 0.4093



27.6244, 0.1818, 0.2767



27.6244, 0.3718, 0.2636



27.6244, 0.4640, 0.3515

Sweetspot

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



27.6272, 0.2470, 0.4093



57.2114, 0.2788, 0.3493



26.6630, 0.3107, 0.5915



12.6599, 0.2749, 0.3524



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.



27.6272, 0.2470, 0.4093



49.4406, 0.2475, 0.4109



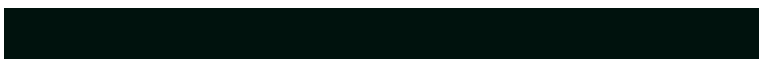
16.6263, 0.2019, 0.2468



7.9814, 0.3019, 0.3346



21.4770, 0.2468, 0.4085



0.4581, 0.2378, 0.3762

Inverse Universe

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



7.9404, 0.5923, 0.3036



14.1923, 0.5965, 0.3060



9.3560, 0.6062, 0.3569



7.1131, 0.3248, 0.3235



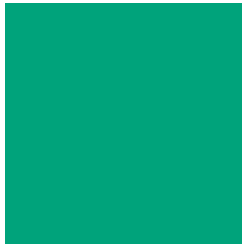
6.1769, 0.5900, 0.3024



0.1368, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 27.6244, 0.2470, 0.4093 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 27.6244, 0.2470, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

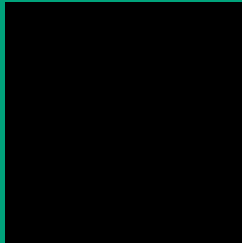
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6244, 0.2470, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 27.6244, 0.2470, 0.4093.



This preview shows how white text looks on a background with the Yxy color 27.6244, 0.2470, 0.4093.

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

27.6244, 0.2470, 0.4093

Protanopia

27.2137, 0.3539, 0.3762

Deuteranopia

27.0534, 0.3486, 0.3416



Tritanopia

27.7463, 0.2284, 0.3057

Trichromacy



Original Color

27.6244, 0.2470, 0.4093



Protanomaly

25.6384, 0.2910, 0.3917



Deuteranomaly

24.9149, 0.2866, 0.3645



Tritanomaly

27.4195, 0.2328, 0.3400

Monochromacy



Original Color

27.6244, 0.2470, 0.4093



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.2404, 0.2655, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6244, 0.2470, 0.4093 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, 163, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 123)  
}
```

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, 163, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 123) }
```

Border

The CSS property to change the border of an element to Yxy 27.6244, 0.2470, 0.4093 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, 163, 123) }
```

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

```
.border{ border-color:rgb(0, 163, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6244, 0.2470, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 123) }
```

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

```
.background{ background-color: rgb(0, 163,  
123) }
```

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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