

Converting Colors

$Yxy(27.4512, 0.2543, 0.4308)$

Have a look what the booklet for
Yxy(27.4512, 0.2543, 0.4308)
contains.

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Color

Yxy(27.4512, 0.2543, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	0AA371
RGB	10, 163, 113
RGB Percent	4%, 64%, 44%
CMY	0.9601, 0.3608, 0.5569
CMYK	0.94, 0.00, 0.31, 0.36
HSL	160°, 88%, 34%
HSV	160°, 94%, 64%
XYZ	16.2044, 27.4512, 20.0659
YIQ	111.5530, -75.1380, -47.9860

Conversions

Conversions Part 2

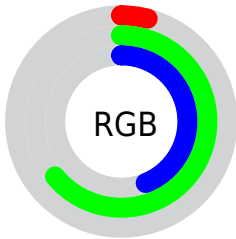
Format	Color
R_{YB}	10, 101, 163
Decimal	697201
CIE _{Lab}	59.39, -47.71, 16.17
CIE _{LCh}	59, 50.373, 161.279
Yxy	27.4512, 0.2543, 0.4308
Android (android.graphics.Color)	4278887281 (0xFF0AA371)
YUV	111.5530, 0.7134, -89.0620
Hunter-Lab	52.3939, -36.4829, 13.9688

Details

The Yxy color **27.4512, 0.2543, 0.4308** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.3358, 0.5448, 0.2832**, and the grayscale version is **16.0964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6550, 0.2675, 0.4074**, and **11.5335, 0.2618, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **27.3129, 0.2551, 0.4384**, and if you desaturate by 10%, it is **27.7363, 0.2539, 0.4185**.

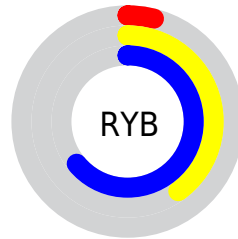
Distribution



Red (4%)

Green (64%)

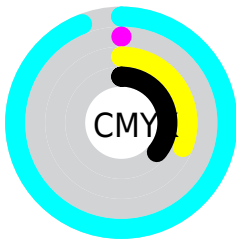
Blue (44%)



Red (4%)

Yellow (40%)

Blue (64%)

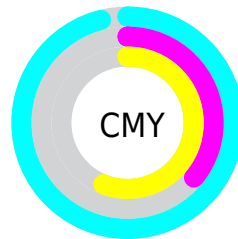


Cyan (94%)

Magenta (0%)

Yellow (31%)

Black (36%)



Cyan (96%)

Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4512, 0.2543, 0.4308 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 27.4512, 0.2543, 0.4308 by changing the saturation by 10% instead.


 27.4512, 0.2543,
0.4308


 27.4512, 0.2543,
0.4308


289.8352, 0.2875,
0.3723


 17.9124, 0.2444,
0.4486


 55.6071, 0.2674,
0.4074

 10.8871, 0.2307,
0.4737


 74.9929, 0.2720,
0.3993


 5.9910, 0.2102,
0.5116

 98.4298, 0.2758,
0.3927

 2.8396, 0.1772,
0.5744

 126.3023, 0.2789,
0.3872

 1.0486, 0.0000,
0.9986

 158.9946, 0.2815,
0.3826

 0.0000, 0.0000,
0.0000

 196.8913, 0.2838,

0.3787

240.3767, 0.2858,
0.3753

■ 27.4512, 0.2543,
0.4308

■ 27.4512, 0.2543,
0.4308

■ 27.3129, 0.2551,
0.4384

■ 27.7363, 0.2539,
0.4185

■ 28.1500, 0.2554,
0.4062

■ 28.7116, 0.2588,
0.3939

■ 29.4362, 0.2641,
0.3819

■ 30.3369, 0.2709,
0.3704

■ 31.4256, 0.2791,
0.3596

■ 32.7132, 0.2883,
0.3496

■ 34.2094, 0.2983,
0.3403

■ 35.9237, 0.3087,
0.3319

Harmonies

Analogous

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



27.4512, 0.3314, 0.4818



27.4512, 0.2543, 0.4308



27.4512, 0.1974, 0.3407

Triad

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



27.4512, 0.2543, 0.4308



27.4512, 0.2121, 0.2040



27.4512, 0.4772, 0.3608

Complementary

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



27.4512, 0.2543, 0.4308



8.3358, 0.5448, 0.2832

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.



27.4512, 0.4387, 0.3019



27.4512, 0.2543, 0.4308



27.4512, 0.2757, 0.2166

Square

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



27.4512, 0.2543, 0.4308



27.4512, 0.1774, 0.2175



27.4512, 0.3601, 0.2512



27.4512, 0.4628, 0.4209

Rectangle

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



27.4512, 0.2543, 0.4308



27.4512, 0.1769, 0.2851



27.4512, 0.3601, 0.2512



27.4512, 0.4703, 0.3407

Sweetspot

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



27.4523, 0.2543, 0.4308



57.4423, 0.2838, 0.3543



27.2127, 0.3206, 0.5784



12.6936, 0.2801, 0.3585



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.



27.4523, 0.2543, 0.4308



48.8771, 0.2557, 0.4406



20.7525, 0.2120, 0.2792



7.9716, 0.3029, 0.3365



21.2358, 0.2548, 0.4373



0.4543, 0.2425, 0.3931

Inverse Universe

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



8.3358, 0.5448, 0.2832



14.3779, 0.5686, 0.2906



9.0496, 0.6061, 0.3476



7.1224, 0.3236, 0.3217



6.2614, 0.5616, 0.2867



0.1400, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 27.4512, 0.2543, 0.4308 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 27.4512, 0.2543, 0.4308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

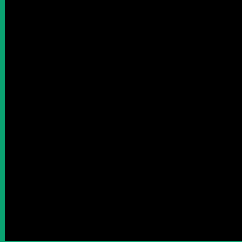
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4512, 0.2543, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 27.4512, 0.2543, 0.4308.



This preview shows how white text looks on a background with the Yxy color 27.4512, 0.2543, 0.4308.

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

27.4512, 0.2543, 0.4308

Protanopia

27.1178, 0.3646, 0.3906

Deuteranopia

27.1157, 0.3633, 0.3571



Tritanopia

27.4823, 0.2300, 0.3057

Trichromacy



Original Color

27.4512, 0.2543, 0.4308



Protanomaly

25.6409, 0.3032, 0.4107



Deuteranomaly

25.0303, 0.3012, 0.3831



Tritanomaly

27.3975, 0.2368, 0.3477

Monochromacy



Original Color

27.4512, 0.2543, 0.4308



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.8983, 0.2729, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4512, 0.2543, 0.4308 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(10, 163, 113)` looks like.

```
.text, #text, p{  
    color:rgb(10, 163, 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(10, 163, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 163, 113) }
```

Border

The CSS property to change the border of an element to Yxy 27.4512, 0.2543, 0.4308 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(10, 163, 113) }
```

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

```
.border{ border-color:rgb(10, 163, 113) }
```

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

Here you see how a box with a 4 pixel rgb(10, 163, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 163, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 163, 113);  
box-shadow:4px 4px 4px 4px rgb(10, 163,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4512, 0.2543, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 163, 113) }
```

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

```
.background{ background-color: rgb(10, 163,  
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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