

Converting Colors

$Yxy(24.2924, 0.1899, 0.4872)$

Have a look what the booklet for
Yxy(24.2924, 0.1899, 0.4872)
contains.

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Color

Yxy(27.4518, 0.2620, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	00A463
RGB	0, 164, 99
RGB Percent	0%, 64%, 39%
CMY	1.0000, 0.3569, 0.6117
CMYK	1.00, 0.00, 0.40, 0.36
HSL	156°, 100%, 32%
HSV	156°, 100%, 64%
XYZ	15.5276, 27.4518, 16.2862
YIQ	107.5540, -76.8790, -54.9830

Conversions

Conversions Part 2

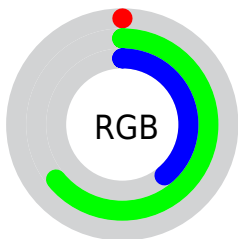
Format	Color
RYB	0, 102, 164
Decimal	42083
CIELab	59.39, -51.63, 23.82
CIELCh	59, 56.854, 155.233
Yxy	27.4518, 0.2620, 0.4632
Android (android.graphics.Color)	4278232163 (0xFF00A463)
YUV	107.5540, -4.2171, -94.3249
Hunter-Lab	52.3945, -38.7902, 18.2466

Details

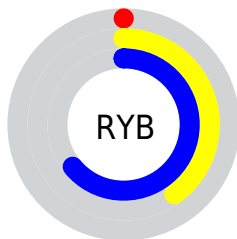
The Yxy color **27.4518, 0.2620, 0.4632** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2744, 0.5372, 0.2733**, and the grayscale version is **14.8937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5621, 0.2746, 0.4321**, and **11.6079, 0.2739, 0.5062** is the 20% darker color. If you saturate the color by 10%, you get **27.4530, 0.2620, 0.4632**, and if you desaturate by 10%, it is **27.6961, 0.2602, 0.4484**.

Distribution



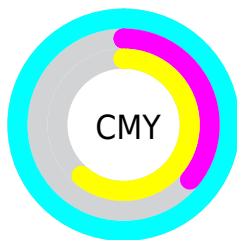
- Red (0%)
- Green (64%)
- Blue (39%)



- Red (0%)
- Yellow (40%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4518, 0.2620, 0.4632 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 27.4518, 0.2620, 0.4632 by changing the saturation by 10% instead.


 27.4518, 0.2620,
0.4632


 27.4518, 0.2620,
0.4632


289.8380, 0.2921,
0.3851


 17.9128, 0.2524,
0.4873


 55.6080, 0.2743,
0.4317


 10.8874, 0.2386,
0.5214


 74.9940, 0.2785,
0.4208


 5.9912, 0.2172,
0.5728

 98.4312, 0.2819,
0.4121

 2.8397, 0.1817,
0.6616

 126.3039, 0.2847,
0.4048

 1.0486, 0.0000,
1.0000

 158.9966, 0.2870,
0.3987

 0.0000, 0.0000,
0.0000

 196.8936, 0.2890,

0.3935

240.3792, 0.2907,
0.3890

■ 27.4518, 0.2620,
0.4632

■ 27.4518, 0.2620,
0.4632

■ 27.4530, 0.2620,
0.4632

■ 27.6961, 0.2602,
0.4484

■ 28.0421, 0.2599,
0.4333

■ 28.5301, 0.2616,
0.4180

■ 29.1773, 0.2652,
0.4030

■ 29.9984, 0.2705,
0.3884

■ 31.0062, 0.2772,
0.3746

■ 32.2125, 0.2851,
0.3616

■ 33.6280, 0.2938,
0.3497

■ 35.2625, 0.3031,
0.3388

Harmonies

Analogous

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



27.4518, 0.3489, 0.5051



27.4518, 0.2620, 0.4632



27.4518, 0.1939, 0.3624

Triad

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



27.4518, 0.2620, 0.4632



27.4518, 0.1910, 0.1916



27.4518, 0.4937, 0.3479

Complementary

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



27.4518, 0.2620, 0.4632



8.2744, 0.5372, 0.2733

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.



27.4518, 0.4394, 0.2855



27.4518, 0.2620, 0.4632



27.4518, 0.2541, 0.2004

Square

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



27.4518, 0.2620, 0.4632



27.4518, 0.1601, 0.2116



27.4518, 0.3454, 0.2335



27.4518, 0.4869, 0.4143

Rectangle

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



27.4518, 0.2620, 0.4632



27.4518, 0.1674, 0.2954



27.4518, 0.3454, 0.2335



27.4518, 0.4822, 0.3265

Sweetspot

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



27.4530, 0.2620, 0.4632



58.3353, 0.2846, 0.3623



27.6965, 0.3247, 0.5804



12.5544, 0.2814, 0.3674



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.



27.4530, 0.2620, 0.4632



49.7877, 0.2627, 0.4658



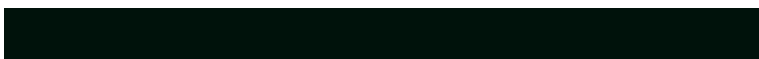
23.7358, 0.2160, 0.2976



7.9635, 0.3038, 0.3381



21.0583, 0.2616, 0.4618



0.4514, 0.2466, 0.4078

Inverse Universe

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



8.2744, 0.5372, 0.2733



14.9804, 0.5417, 0.2758



8.2754, 0.6312, 0.3370



7.1303, 0.3226, 0.3201



6.3531, 0.5347, 0.2719



0.1427, 0.4434, 0.2216

Previews

White Background



This preview shows how the Yxy color 27.4518, 0.2620, 0.4632 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 27.4518, 0.2620, 0.4632 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 27.4518, 0.2620, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 27.4518, 0.2620, 0.4632.



This preview shows how white text looks on a background with the Yxy color 27.4518, 0.2620, 0.4632.

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

27.4518, 0.2620, 0.4632

Protanopia

27.0527, 0.3813, 0.4120

Deuteranopia

26.9531, 0.3843, 0.3766



Tritanopia

27.5339, 0.2318, 0.3074

Trichromacy



Original Color

27.4518, 0.2620, 0.4632



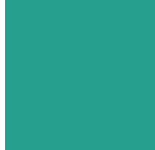
Protanomaly

25.2557, 0.3132, 0.4387



Deuteranomaly

24.6628, 0.3129, 0.4107



Tritanomaly

27.1915, 0.2401, 0.3596

Monochromacy



Original Color

27.4518, 0.2620, 0.4632



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.7235, 0.2733, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4518, 0.2620, 0.4632 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 99) }
```

Border

The CSS property to change the border of an element to Yxy 27.4518, 0.2620, 0.4632 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, 99) }
```

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

```
.border{ border-color:rgb(0, 164, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.4518, 0.2620, 0.4632 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, 99) }
```

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

```
.background{ background-color: rgb(0, 164,  
99) }
```

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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