

Converting Colors

$Y_{xy}(9.5829, 0.2050, 0.4444)$

Have a look what the booklet for
Yxy(9.5829, 0.2050, 0.4444)
contains.

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Color

Yxy(10.5581, 0.2534, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	006947
RGB	0, 105, 71
RGB Percent	0%, 41%, 28%
CMY	1.0000, 0.5882, 0.7216
CMYK	1.00, 0.00, 0.32, 0.59
HSL	161°, 100%, 21%
HSV	161°, 100%, 41%
XYZ	6.1874, 10.5581, 7.6720
YIQ	69.7290, -51.6660, -32.8340

Conversions

Conversions Part 2

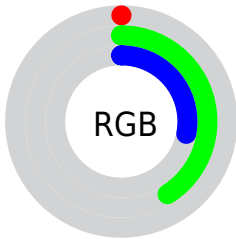
Format	Color
RYB	0, 63, 105
Decimal	26951
CIELab	38.83, -35.18, 11.92
CIELCh	39, 37.147, 161.281
Yxy	10.5581, 0.2534, 0.4324
Android (android.graphics.Color)	4278217031 (0xFF006947)
YUV	69.7290, 0.6266, -61.1523
Hunter-Lab	32.4932, -22.8731, 8.7463

Details

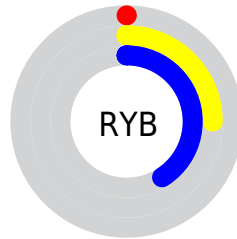
The Yxy color **10.5581, 0.2534, 0.4324** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1192, 0.5545, 0.2828**, and the grayscale version is **6.0833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8096, 0.2699, 0.4011**, and **2.9075, 0.2672, 0.4820** is the 20% darker color. If you saturate the color by 10%, you get **10.5594, 0.2534, 0.4324**, and if you desaturate by 10%, it is **10.6721, 0.2535, 0.4206**.

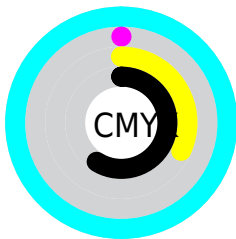
Distribution



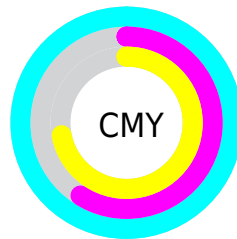
- Red (0%)
- Green (41%)
- Blue (28%)



- Red (0%)
- Yellow (25%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5581, 0.2534, 0.4324 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 10.5581, 0.2534, 0.4324 by changing the saturation by 10% instead.


 10.5581, 0.2534,
0.4324


 10.5581, 0.2534,
0.4324

194.6102, 0.2916,
0.3651


 5.7705, 0.2387,
0.4590

 26.8401, 0.2703,
0.4022


 2.7061, 0.2147,
0.5032


 39.1033, 0.2757,
0.3929

 0.9803, 0.0546,
0.7655

 54.6271, 0.2798,
0.3856


 0.0000, 0.0000,
0.0000


 73.7960, 0.2831,
0.3799


 96.9944, 0.2858,
0.3752

 124.6066, 0.2881,

0.3712


 157.0171, 0.2900,
0.3679


 10.5581, 0.2534,
0.4324


 10.5581, 0.2534,
0.4324


 10.5594, 0.2534,
0.4324

 10.6721, 0.2535,
0.4206

 10.8112, 0.2545,
0.4089

 11.0008, 0.2573,
0.3972

 11.2464, 0.2617,
0.3857

 11.5527, 0.2677,
0.3746

■ 11.9238, 0.2751,
0.3641

■ 12.3635, 0.2835,
0.3542

■ 12.8754, 0.2927,
0.3451

■ 13.4626, 0.3026,
0.3366

Harmonies

Analogous

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



10.5581, 0.3314, 0.4842



10.5581, 0.2534, 0.4324



10.5581, 0.1960, 0.3407

Triad

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



10.5581, 0.2534, 0.4324



10.5581, 0.2109, 0.2026



10.5581, 0.4795, 0.3609

Complementary

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



10.5581, 0.2534, 0.4324



3.1192, 0.5545, 0.2828

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.



10.5581, 0.4404, 0.3014



10.5581, 0.2534, 0.4324



10.5581, 0.2752, 0.2153

Square

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



10.5581, 0.2534, 0.4324



10.5581, 0.1759, 0.2161



10.5581, 0.3607, 0.2502



10.5581, 0.4646, 0.4217

Rectangle

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



10.5581, 0.2534, 0.4324



10.5581, 0.1753, 0.2843



10.5581, 0.3607, 0.2502



10.5581, 0.4725, 0.3406

Sweetspot

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



10.5594, 0.2534, 0.4324



22.0623, 0.2827, 0.3551



10.4619, 0.3205, 0.5837



5.1097, 0.2801, 0.3580



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.5594, 0.2534, 0.4324



18.8830, 0.2543, 0.4356



7.9187, 0.2105, 0.2779



3.4760, 0.3036, 0.3358



13.3616, 0.2538, 0.4338



67.9190, 0.2557, 0.4404

Inverse Universe

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



3.1192, 0.5545, 0.2828



5.5641, 0.5616, 0.2868



3.4203, 0.6160, 0.3491



3.1314, 0.3228, 0.3223



3.9426, 0.5576, 0.2845



19.9453, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 10.5581, 0.2534, 0.4324 looks on a white background.

Color Contrast Check

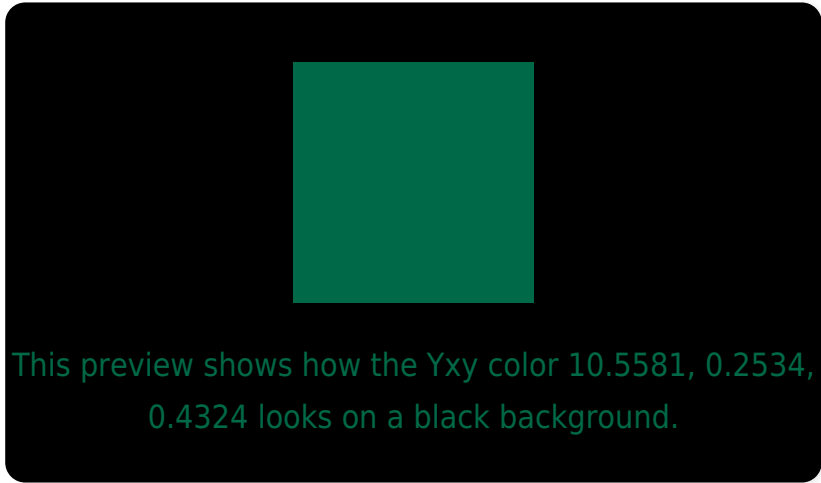
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 10.5581, 0.2534, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 10.5581, 0.2534, 0.4324.



This preview shows how white text looks on a background with the Yxy color 10.5581, 0.2534, 0.4324.

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

10.5581, 0.2534, 0.4324

Protanopia

10.4605, 0.3645, 0.3918

Deuteranopia

10.5516, 0.3643, 0.3591



Tritanopia

10.5721, 0.2325, 0.3076

Trichromacy



Original Color

10.5581, 0.2534, 0.4324

Protanomaly

9.7951, 0.3018, 0.4116

Deuteranomaly

9.6931, 0.2998, 0.3847

Tritanomaly

10.5111, 0.2378, 0.3485

Monochromacy



Original Color

10.5581, 0.2534, 0.4324

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1866, 0.2726, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5581, 0.2534, 0.4324 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, 105, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 71)  
}
```

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, 105, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 71) }
```

Border

The CSS property to change the border of an element to Yxy 10.5581, 0.2534, 0.4324 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, 105, 71) }
```

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

```
.border{ border-color:rgb(0, 105, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5581, 0.2534, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 71) }
```

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

```
.background{ background-color: rgb(0, 105,  
71) }
```

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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