

Converting Colors

$Y_{xy}(9.4566, 0.1981, 0.4639)$

Have a look what the booklet for
Yxy(9.4566, 0.1981, 0.4639)
contains.

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Color

Yxy(10.5084, 0.2571, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	006943
RGB	0, 105, 67
RGB Percent	0%, 41%, 26%
CMY	0.9995, 0.5882, 0.7372
CMYK	1.00, 0.00, 0.36, 0.59
HSL	158°, 100%, 21%
HSV	158°, 100%, 41%
XYZ	6.0658, 10.5084, 7.0190
YIQ	69.2730, -50.3820, -34.0780

Conversions

Conversions Part 2

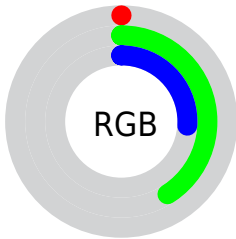
Format	Color
RYB	0, 64, 105
Decimal	26947
CIELab	38.74, -36.14, 14.19
CIELCh	39, 38.821, 158.566
Yxy	10.5084, 0.2571, 0.4454
Android (android.graphics.Color)	4278217027 (0xFF006943)
YUV	69.2730, -1.1206, -60.7524
Hunter-Lab	32.4167, -23.3282, 9.8540

Details

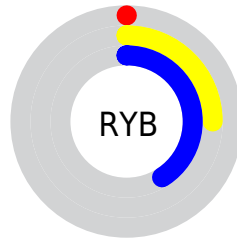
The Yxy color **10.5084, 0.2571, 0.4454** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1465, 0.5396, 0.2748**, and the grayscale version is **6.0125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6913, 0.2736, 0.4114**, and **2.8943, 0.2716, 0.4979** is the 20% darker color. If you saturate the color by 10%, you get **10.5075, 0.2571, 0.4456**, and if you desaturate by 10%, it is **10.6238, 0.2569, 0.4321**.

Distribution



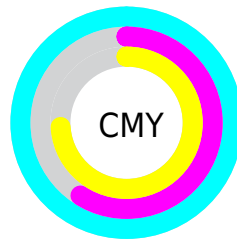
- Red (0%)
- Green (41%)
- Blue (26%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (59%)




- Cyan (100%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5084, 0.2571, 0.4454 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 10.5084, 0.2571, 0.4454 by changing the saturation by 10% instead.


 10.5084, 0.2571,
0.4454


 10.5084, 0.2571,
0.4454


194.2631, 0.2934,
0.3693


 5.7373, 0.2427,
0.4758

 26.7475, 0.2734,
0.4111


 2.6860, 0.2186,
0.5266


 38.9842, 0.2785,
0.4005

 0.9701, 0.0351,
0.9073

 54.4784, 0.2824,
0.3923


 0.0000, 0.0000,
0.0000

 73.6142, 0.2855,
0.3858

 96.7762, 0.2880,
0.3805


 124.3488, 0.2902,


0.3761

 156.7163, 0.2919,
0.3724

 10.5084, 0.2571,
0.4454


 10.5084, 0.2571,
0.4454


 10.5075, 0.2571,
0.4456

 10.6238, 0.2569,
0.4321

 10.7662, 0.2576,
0.4189

 10.9598, 0.2600,
0.4057

 11.2101, 0.2642,
0.3927

 11.5216, 0.2699,
0.3802

■ 11.8987, 0.2770,
0.3683

■ 12.3451, 0.2850,
0.3572

■ 12.8643, 0.2938,
0.3469

■ 13.4596, 0.3032,
0.3375

Harmonies

Analogous

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



10.5084, 0.3389, 0.4934



10.5084, 0.2571, 0.4454



10.5084, 0.1951, 0.3497

Triad

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



10.5084, 0.2571, 0.4454



10.5084, 0.2023, 0.1979



10.5084, 0.4856, 0.3553

Complementary

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



10.5084, 0.2571, 0.4454



3.1465, 0.5396, 0.2748

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.



10.5084, 0.4401, 0.2946



10.5084, 0.2571, 0.4454



10.5084, 0.2661, 0.2089

Square

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



10.5084, 0.2571, 0.4454



10.5084, 0.1690, 0.2142



10.5084, 0.3542, 0.2430



10.5084, 0.4742, 0.4187

Rectangle

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



10.5084, 0.2571, 0.4454



10.5084, 0.1719, 0.2889



10.5084, 0.3542, 0.2430



10.5084, 0.4767, 0.3345

Sweetspot

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



10.5088, 0.2571, 0.4454



22.0224, 0.2842, 0.3582



10.5261, 0.3240, 0.5808



5.0996, 0.2817, 0.3616



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.



10.5088, 0.2571, 0.4454



18.7925, 0.2581, 0.4491



8.5053, 0.2135, 0.2886



3.4742, 0.3040, 0.3367



13.2979, 0.2575, 0.4471



67.5879, 0.2596, 0.4545

Inverse Universe

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



3.1465, 0.5396, 0.2748



5.6070, 0.5470, 0.2787



3.3203, 0.6212, 0.3447



3.1332, 0.3223, 0.3215



3.9735, 0.5430, 0.2765



20.0926, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 10.5084, 0.2571, 0.4454 looks on a white background.

Color Contrast Check

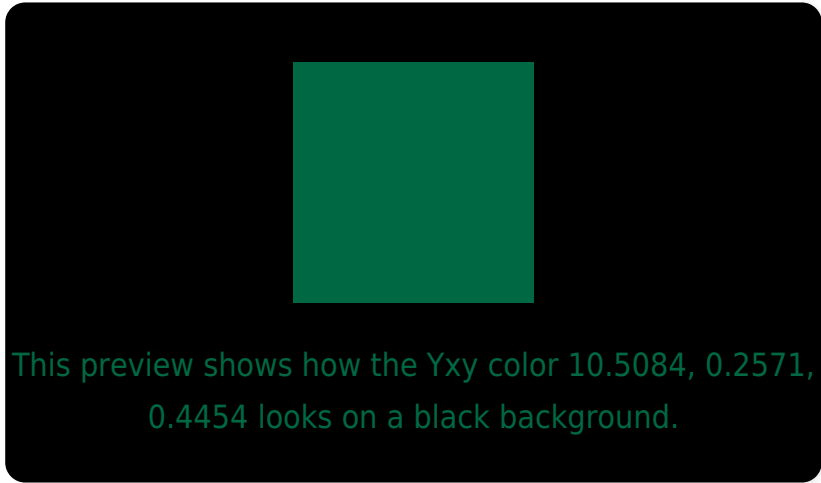
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5084, 0.2571, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 10.5084, 0.2571, 0.4454.



This preview shows how white text looks on a background with the Yxy color 10.5084, 0.2571, 0.4454.

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

10.5084, 0.2571, 0.4454

Protanopia

10.4717, 0.3724, 0.4008

Deuteranopia

10.3971, 0.3734, 0.3659



Tritanopia

10.5904, 0.2332, 0.3076

Trichromacy



Original Color

10.5084, 0.2571, 0.4454

Protanomaly

9.7814, 0.3083, 0.4230

Deuteranomaly

9.6765, 0.3066, 0.3960

Tritanomaly

10.4872, 0.2400, 0.3543

Monochromacy



Original Color

10.5084, 0.2571, 0.4454

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.9874, 0.2736, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5084, 0.2571, 0.4454 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 67) }
```

Border

The CSS property to change the border of an element to Yxy 10.5084, 0.2571, 0.4454 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, 67) }
```

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

```
.border{ border-color:rgb(0, 105, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5084, 0.2571, 0.4454 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, 67) }
```

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

```
.background{ background-color: rgb(0, 105,  
67) }
```

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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