

Converting Colors

$Yxy(10.0604, 0.2379, 0.4405)$

Have a look what the booklet for
Yxy(10.0604, 0.2379, 0.4405)
contains.

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Color

Yxy(10.3303, 0.2546, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	006845
RGB	0, 104, 69
RGB Percent	0%, 41%, 27%
CMY	1.0000, 0.5921, 0.7294
CMYK	1.00, 0.00, 0.34, 0.59
HSL	160°, 100%, 20%
HSV	160°, 100%, 41%
XYZ	6.0240, 10.3303, 7.3065
YIQ	68.9140, -50.7490, -32.9330

Conversions

Conversions Part 2

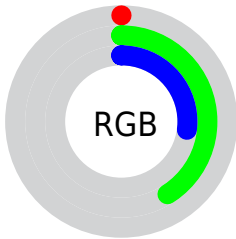
Format	Color
RYB	0, 63, 104
Decimal	26693
CIELab	38.43, -35.26, 12.57
CIELCh	38, 37.429, 160.377
Yxy	10.3303, 0.2546, 0.4366
Android (android.graphics.Color)	4278216773 (0xFF006845)
YUV	68.9140, 0.0424, -60.4376
Hunter-Lab	32.1408, -22.7907, 9.0204

Details

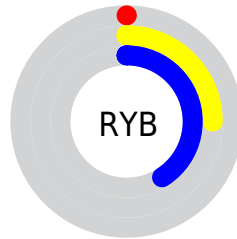
The Yxy color **10.3303, 0.2546, 0.4366** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0646, 0.5495, 0.2801**, and the grayscale version is **5.9429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4009, 0.2719, 0.4056**, and **2.8985, 0.2702, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **10.3310, 0.2546, 0.4366**, and if you desaturate by 10%, it is **10.4429, 0.2546, 0.4243**.

Distribution



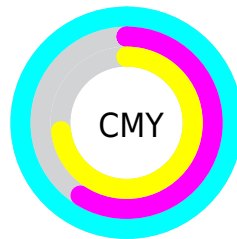
- Red (0%)
- Green (41%)
- Blue (27%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3303, 0.2546, 0.4366 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 10.3303, 0.2546, 0.4366 by changing the saturation by 10% instead.


 10.3303, 0.2546,
0.4366


 10.3303, 0.2546,
0.4366


193.0135, 0.2923,
0.3663


 5.6185, 0.2399,
0.4646

 26.4149, 0.2714,
0.4049


 2.6145, 0.2155,
0.5116

 38.5566, 0.2767,
0.3952


 0.9340, 0.0239,
0.8510

 53.9436, 0.2807,
0.3876


 0.0000, 0.0000,
0.0000


 72.9604, 0.2840,
0.3816


 95.9914, 0.2866,
0.3767


 123.4210, 0.2888,


0.3726

 155.6336, 0.2907,
0.3692


 10.3303, 0.2546,
0.4366

 10.3303, 0.2546,
0.4366


 10.3310, 0.2546,
0.4366

 10.4429, 0.2546,
0.4243

 10.5804, 0.2555,
0.4121

 10.7676, 0.2582,
0.3999

 11.0097, 0.2626,
0.3880

 11.3114, 0.2685,
0.3765

■ 11.6767, 0.2757,
0.3655

■ 12.1093, 0.2840,
0.3552

■ 12.6127, 0.2931,
0.3457

■ 13.1899, 0.3027,
0.3369

Harmonies

Analogous

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



10.3303, 0.3338, 0.4872



10.3303, 0.2546, 0.4366



10.3303, 0.1957, 0.3436

Triad

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



10.3303, 0.2546, 0.4366



10.3303, 0.2081, 0.2011



10.3303, 0.4815, 0.3591

Complementary

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



10.3303, 0.2546, 0.4366



3.0646, 0.5495, 0.2801

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.



10.3303, 0.4403, 0.2992



10.3303, 0.2546, 0.4366



10.3303, 0.2722, 0.2132

Square

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



10.3303, 0.2546, 0.4366



10.3303, 0.1736, 0.2155



10.3303, 0.3586, 0.2479



10.3303, 0.4677, 0.4208

Rectangle

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



10.3303, 0.2546, 0.4366



10.3303, 0.1742, 0.2858



10.3303, 0.3586, 0.2479



10.3303, 0.4738, 0.3386

Sweetspot

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



10.3310, 0.2546, 0.4366



21.1745, 0.2833, 0.3560



10.2836, 0.3223, 0.5823



5.1063, 0.2806, 0.3592



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.



10.3310, 0.2546, 0.4366



18.1023, 0.2555, 0.4398



8.0453, 0.2120, 0.2833



3.1703, 0.3038, 0.3360



12.7281, 0.2550, 0.4379



66.2164, 0.2569, 0.4450

Inverse Universe

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



3.0646, 0.5495, 0.2801



5.3566, 0.5564, 0.2839



3.3021, 0.6187, 0.3469



2.8602, 0.3225, 0.3221



3.7719, 0.5523, 0.2816



19.5236, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 10.3303, 0.2546, 0.4366 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



This preview shows how the Yxy color 10.3303, 0.2546, 0.4366 looks on a 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 10.3303, 0.2546, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 10.3303, 0.2546, 0.4366.



This preview shows how white text looks on a background with the Yxy color 10.3303, 0.2546, 0.4366.

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

10.3303, 0.2546, 0.4366

Protanopia

10.2679, 0.3683, 0.3944

Deuteranopia

10.3007, 0.3665, 0.3617



Tritanopia

10.3603, 0.2327, 0.3074

Trichromacy



Original Color

10.3303, 0.2546, 0.4366

Protanomaly

9.5902, 0.3044, 0.4151

Deuteranomaly

9.4899, 0.3025, 0.3880

Tritanomaly

10.2798, 0.2389, 0.3516

Monochromacy



Original Color

10.3303, 0.2546, 0.4366

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.9997, 0.2723, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3303, 0.2546, 0.4366 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, 104, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 69)  
}
```

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, 104, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 69) }
```

Border

The CSS property to change the border of an element to Yxy 10.3303, 0.2546, 0.4366 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, 104, 69) }
```

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

```
.border{ border-color:rgb(0, 104, 69) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3303, 0.2546, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 69) }
```

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

```
.background{ background-color: rgb(0, 104,  
69) }
```

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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