

Converting Colors

$Y_{xy}(9.1264, 0.1816, 0.4298)$

Have a look what the booklet for
Yxy(9.1264, 0.1816, 0.4298)
contains.

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Color

Yxy(10.4086, 0.2491, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	00684B
RGB	0, 104, 75
RGB Percent	0%, 41%, 29%
CMY	1.0000, 0.5921, 0.7059
CMYK	1.00, 0.00, 0.28, 0.59
HSL	163°, 100%, 20%
HSV	163°, 100%, 41%
XYZ	6.2192, 10.4086, 8.3389
YIQ	69.5980, -52.6750, -31.0670

Conversions

Conversions Part 2

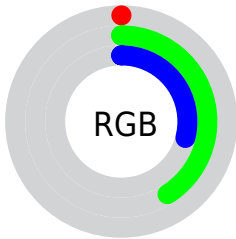
Format	Color
RYB	0, 60, 104
Decimal	26699
CIELab	38.57, -33.72, 9.15
CIELCh	39, 34.935, 164.823
Yxy	10.4086, 0.2491, 0.4169
Android (android.graphics.Color)	4278216779 (0xFF00684B)
YUV	69.5980, 2.6632, -61.0374
Hunter-Lab	32.2624, -22.0498, 7.2589

Details

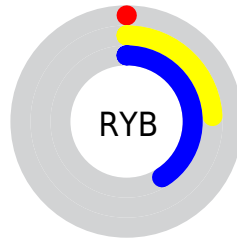
The Yxy color **10.4086, 0.2491, 0.4169** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0321, 0.5704, 0.2916**, and the grayscale version is **6.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5718, 0.2668, 0.3911**, and **2.9273, 0.2611, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **10.4098, 0.2491, 0.4169**, and if you desaturate by 10%, it is **10.5176, 0.2496, 0.4069**.

Distribution



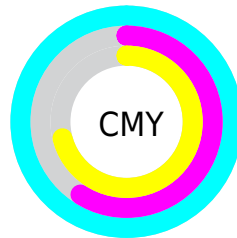
- Red (0%)
- Green (41%)
- Blue (29%)



- Red (0%)
- Yellow (24%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4086, 0.2491, 0.4169 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 10.4086, 0.2491, 0.4169 by changing the saturation by 10% instead.


 10.4086, 0.2491,
0.4169


 10.4086, 0.2491,
0.4169


193.5640, 0.2896,
0.3600


 5.6707, 0.2339,
0.4391

 26.5613, 0.2669,
0.3915


 2.6459, 0.2095,
0.4760


 38.7448, 0.2725,
0.3836

 0.9498, 0.0551,
0.6683

 54.1790, 0.2769,
0.3775


 0.0000, 0.0000,
0.0000


 73.2483, 0.2804,
0.3726


 96.3370, 0.2833,
0.3686


 123.8296, 0.2858,


0.3652

 156.1105, 0.2878,
0.3624


 10.4086, 0.2491,
0.4169

 10.4086, 0.2491,
0.4169


 10.4098, 0.2491,
0.4169

 10.5176, 0.2496,
0.4069

 10.6502, 0.2510,
0.3969

 10.8317, 0.2541,
0.3870

 11.0673, 0.2589,
0.3773

 11.3617, 0.2653,
0.3680

■ 11.7188, 0.2730,
0.3590

■ 12.1424, 0.2819,
0.3506

■ 12.6358, 0.2916,
0.3428

■ 13.2023, 0.3020,
0.3356

Harmonies

Analogous

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



10.4086, 0.3221, 0.4723



10.4086, 0.2491, 0.4169



10.4086, 0.1973, 0.3304

Triad

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



10.4086, 0.2491, 0.4169



10.4086, 0.2217, 0.2085



10.4086, 0.4716, 0.3674

Complementary

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



10.4086, 0.2491, 0.4169



3.0321, 0.5704, 0.2916

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.



10.4086, 0.4403, 0.3097



10.4086, 0.2491, 0.4169



10.4086, 0.2862, 0.2234

Square

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



10.4086, 0.2491, 0.4169



10.4086, 0.1845, 0.2187



10.4086, 0.3681, 0.2591



10.4086, 0.4529, 0.4249

Rectangle

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



10.4086, 0.2491, 0.4169



10.4086, 0.1796, 0.2792



10.4086, 0.3681, 0.2591



10.4086, 0.4669, 0.3478

Sweetspot

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



10.4098, 0.2491, 0.4169



21.2329, 0.2811, 0.3513



10.1698, 0.3160, 0.5873



5.1218, 0.2783, 0.3538



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.



10.4098, 0.2491, 0.4169



18.2416, 0.2499, 0.4196



6.9547, 0.2060, 0.2616



3.1728, 0.3031, 0.3348



12.8253, 0.2494, 0.4180



66.7368, 0.2511, 0.4238

Inverse Universe

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



3.0321, 0.5704, 0.2916



5.3013, 0.5773, 0.2954



3.5379, 0.6061, 0.3570



2.8578, 0.3233, 0.3233



3.7322, 0.5732, 0.2931



19.3333, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 10.4086, 0.2491, 0.4169 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 10.4086, 0.2491, 0.4169 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 10.4086, 0.2491, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 10.4086, 0.2491, 0.4169.



This preview shows how white text looks on a background with the Yxy color 10.4086, 0.2491, 0.4169.

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

10.4086, 0.2491, 0.4169

Protanopia

10.4532, 0.3565, 0.3824

Deuteranopia

10.3240, 0.3546, 0.3478



Tritanopia

10.5371, 0.2312, 0.3075

Trichromacy



Original Color

10.4086, 0.2491, 0.4169

Protanomaly

9.8448, 0.2967, 0.3997

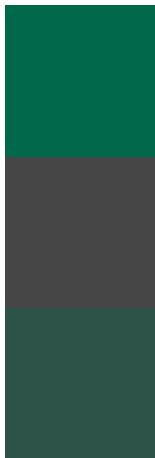
Deuteranomaly

9.5370, 0.2930, 0.3707

Tritanomaly

10.3225, 0.2357, 0.3429

Monochromacy



Original Color

10.4086, 0.2491, 0.4169

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.0604, 0.2696, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4086, 0.2491, 0.4169 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, 75)` looks like.

```
.text, #text, p{  
  color:rgb(0, 104, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 75) }
```

Border

The CSS property to change the border of an element to Yxy 10.4086, 0.2491, 0.4169 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, 75) }
```

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

```
.border{ border-color:rgb(0, 104, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4086, 0.2491, 0.4169 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, 75) }
```

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

```
.background{ background-color: rgb(0, 104,  
75) }
```

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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