

Converting Colors

$Y_{xy}(9.4365, 0.1731, 0.4350)$

Have a look what the booklet for
Yxy(9.4365, 0.1731, 0.4350)
contains.

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Color

Yxy(10.8299, 0.2496, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	006A4C
RGB	0, 106, 76
RGB Percent	0%, 42%, 30%
CMY	0.9998, 0.5843, 0.7019
CMYK	1.00, 0.00, 0.28, 0.58
HSL	163°, 100%, 21%
HSV	163°, 100%, 42%
XYZ	6.4591, 10.8299, 8.5889
YIQ	70.8860, -53.5460, -31.8020

Conversions

Conversions Part 2

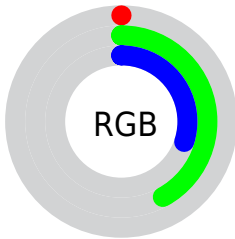
Format	Color
RYB	0, 62, 106
Decimal	27212
CIELab	39.29, -34.29, 9.56
CIELCh	39, 35.597, 164.425
Yxy	10.8299, 0.2496, 0.4185
Android (android.graphics.Color)	4278217292 (0xFF006A4C)
YUV	70.8860, 2.5212, -62.1670
Hunter-Lab	32.9088, -22.5556, 7.5621

Details

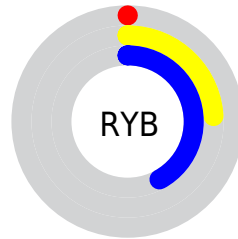
The Yxy color **10.8299, 0.2496, 0.4185** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.1590, 0.5694, 0.2911**, and the grayscale version is **6.2857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3121, 0.2672, 0.3924**, and **3.0305, 0.2606, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **10.8299, 0.2496, 0.4185**, and if you desaturate by 10%, it is **10.9415, 0.2500, 0.4083**.

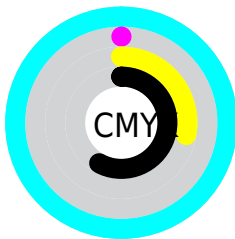
Distribution



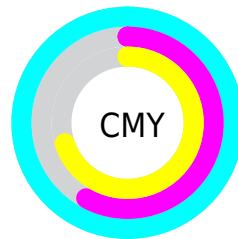
- Red (0%)
- Green (42%)
- Blue (30%)



- Red (0%)
- Yellow (24%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8299, 0.2496, 0.4185 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 10.8299, 0.2496, 0.4185 by changing the saturation by 10% instead.


 10.8299, 0.2496,
0.4185


 10.8299, 0.2496,
0.4185


196.4968, 0.2896,
0.3608


 5.9526, 0.2347,
0.4408

 27.3452, 0.2671,
0.3928


 2.8163, 0.2110,
0.4776


 39.7519, 0.2727,
0.3848

 1.0366, 0.0864,
0.6363

 55.4373, 0.2770,
0.3786

 0.0000, 0.0000,
0.0000


 74.7856, 0.2805,
0.3736


 98.1814, 0.2834,
0.3695

 126.0089, 0.2858,


0.3661


 158.6526, 0.2879,
0.3633

 10.8299, 0.2496,
0.4185

 10.9415, 0.2500,
0.4083

 11.0796, 0.2513,
0.3982

 11.2687, 0.2543,
0.3881

 11.5145, 0.2591,
0.3782

 11.8217, 0.2655,
0.3686

■ 12.1945, 0.2732,
0.3595

■ 12.6369, 0.2820,
0.3509

■ 13.1524, 0.2917,
0.3430

■ 13.7443, 0.3020,
0.3356

Harmonies

Analogous

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



10.8299, 0.3232, 0.4735



10.8299, 0.2496, 0.4185



10.8299, 0.1972, 0.3315

Triad

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



10.8299, 0.2496, 0.4185



10.8299, 0.2205, 0.2079



10.8299, 0.4724, 0.3667

Complementary

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



10.8299, 0.2496, 0.4185



3.1590, 0.5694, 0.2911

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.



10.8299, 0.4403, 0.3088



10.8299, 0.2496, 0.4185



10.8299, 0.2850, 0.2225

Square

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



10.8299, 0.2496, 0.4185



10.8299, 0.1836, 0.2185



10.8299, 0.3673, 0.2582



10.8299, 0.4541, 0.4246

Rectangle

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



10.8299, 0.2496, 0.4185



10.8299, 0.1792, 0.2797



10.8299, 0.3673, 0.2582



10.8299, 0.4674, 0.3470

Sweetspot

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



10.8303, 0.2496, 0.4185



22.1055, 0.2812, 0.3517



10.5852, 0.3158, 0.5874



5.1207, 0.2785, 0.3542



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.



10.8303, 0.2496, 0.4185



18.9866, 0.2503, 0.4212



7.2340, 0.2060, 0.2615



3.4780, 0.3031, 0.3350



13.4342, 0.2499, 0.4196



68.2991, 0.2515, 0.4254

Inverse Universe

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



3.1590, 0.5694, 0.2911



5.5240, 0.5763, 0.2948



3.6771, 0.6063, 0.3567



3.1296, 0.3233, 0.3231



3.9137, 0.5723, 0.2926



19.8098, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 10.8299, 0.2496, 0.4185 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 10.8299, 0.2496, 0.4185 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 10.8299, 0.2496, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 10.8299, 0.2496, 0.4185.



This preview shows how white text looks on a background with the Yxy color 10.8299, 0.2496, 0.4185.

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

10.8299, 0.2496, 0.4185

Protanopia

10.7491, 0.3578, 0.3816

Deuteranopia

10.7881, 0.3554, 0.3497



Tritanopia

10.9859, 0.2315, 0.3079

Trichromacy



Original Color

10.8299, 0.2496, 0.4185

Protanomaly

10.0740, 0.2968, 0.3990

Deuteranomaly

9.9422, 0.2932, 0.3729

Tritanomaly

10.7529, 0.2354, 0.3427

Monochromacy



Original Color

10.8299, 0.2496, 0.4185

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.3796, 0.2691, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8299, 0.2496, 0.4185 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, 106, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 76)  
}
```

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, 106, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 76) }
```

Border

The CSS property to change the border of an element to Yxy 10.8299, 0.2496, 0.4185 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, 106, 76) }
```

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

```
.border{ border-color:rgb(0, 106, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8299, 0.2496, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 76) }
```

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

```
.background{ background-color: rgb(0, 106,  
76) }
```

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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