

Converting Colors

$Y_{xy}(12.3585, 0.2420, 0.4724)$

Have a look what the booklet for
Yxy(12.3585, 0.2420, 0.4724)
contains.

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Color

Yxy(12.9081, 0.2624, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	007444
RGB	0, 116, 68
RGB Percent	0%, 45%, 27%
CMY	1.0000, 0.5451, 0.7333
CMYK	1.00, 0.00, 0.41, 0.55
HSL	155°, 100%, 23%
HSV	155°, 100%, 45%
XYZ	7.2872, 12.9081, 7.5760
YIQ	75.8440, -53.7280, -39.5200

Conversions

Conversions Part 2

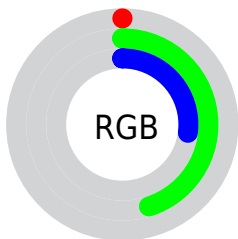
Format	Color
RYB	0, 73, 116
Decimal	29764
CIELab	42.62, -40.28, 18.82
CIELCh	43, 44.459, 154.961
Yxy	12.9081, 0.2624, 0.4648
Android (android.graphics.Color)	4278219844 (0xFF007444)
YUV	75.8440, -3.8671, -66.5152
Hunter-Lab	35.9278, -26.6688, 12.6472

Details

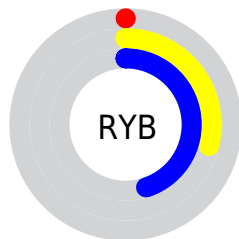
The Yxy color **12.9081, 0.2624, 0.4648** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9269, 0.5224, 0.2651**, and the grayscale version is **7.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1561, 0.2772, 0.4255**, and **3.9624, 0.2783, 0.5218** is the 20% darker color. If you saturate the color by 10%, you get **12.9097, 0.2624, 0.4648**, and if you desaturate by 10%, it is **13.0460, 0.2615, 0.4495**.

Distribution



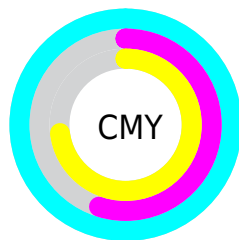
- Red (0%)
- Green (45%)
- Blue (27%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9081, 0.2624, 0.4648 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 12.9081, 0.2624, 0.4648 by changing the saturation by 10% instead.


 12.9081, 0.2624,
0.4648


 12.9081, 0.2624,
0.4648


210.3279, 0.2954,
0.3776


 7.3653, 0.2494,
0.4978


 31.1386, 0.2772,
0.4263


 3.6916, 0.2280,
0.5506

 44.5950, 0.2818,
0.4142

 1.5026, 0.1680,
0.7316

 61.4582, 0.2853,
0.4047

 0.2905, 0.0000,
1.0000

 82.1124, 0.2882,
0.3971


 0.0000, 0.0000,
0.0000


 106.9421, 0.2905,
0.3909

 136.3316, 0.2924,


0.3857


 170.6654, 0.2940,
0.3813


 12.9081, 0.2624,
0.4648


 12.9081, 0.2624,
0.4648


 12.9097, 0.2624,
0.4648

 13.0460, 0.2615,
0.4495

 13.2212, 0.2616,
0.4342

 13.4615, 0.2635,
0.4187

 13.7740, 0.2672,
0.4036

 14.1647, 0.2724,
0.3889

■ 14.6391, 0.2790,
0.3749

■ 15.2022, 0.2865,
0.3619

■ 15.8584, 0.2948,
0.3499

■ 16.6119, 0.3036,
0.3389

Harmonies

Analogous

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



12.9081, 0.3497, 0.5061



12.9081, 0.2624, 0.4648



12.9081, 0.1938, 0.3635

Triad

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



12.9081, 0.2624, 0.4648



12.9081, 0.1900, 0.1911



12.9081, 0.4945, 0.3473

Complementary

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



12.9081, 0.2624, 0.4648



3.9269, 0.5224, 0.2651

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.



12.9081, 0.4393, 0.2847



12.9081, 0.2624, 0.4648



12.9081, 0.2531, 0.1996

Square

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



12.9081, 0.2624, 0.4648



12.9081, 0.1593, 0.2113



12.9081, 0.3446, 0.2326



12.9081, 0.4880, 0.4139

Rectangle

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



12.9081, 0.2624, 0.4648



12.9081, 0.1670, 0.2959



12.9081, 0.3446, 0.2326



12.9081, 0.4827, 0.3258

Sweetspot

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



12.9097, 0.2624, 0.4648



26.6387, 0.2859, 0.3629



13.1289, 0.3288, 0.5771



6.2729, 0.2833, 0.3671



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.9097, 0.2624, 0.4648



22.6643, 0.2634, 0.4684



11.6393, 0.2177, 0.3038



4.1308, 0.3045, 0.3379



14.4821, 0.2627, 0.4656



70.3995, 0.2649, 0.4735

Inverse Universe

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



3.9269, 0.5224, 0.2651



6.8775, 0.5283, 0.2684



3.9233, 0.6298, 0.3381



3.7237, 0.3217, 0.3203



4.4028, 0.5237, 0.2659



21.2932, 0.5367, 0.2730

Previews

White Background



This preview shows how the Yxy color 12.9081, 0.2624, 0.4648 looks on a white background.

Color Contrast Check

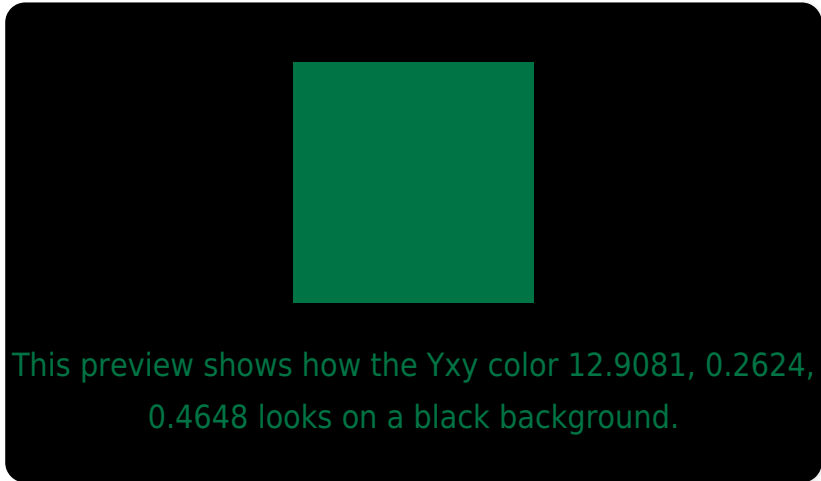
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9081, 0.2624, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 12.9081, 0.2624, 0.4648.



This preview shows how white text looks on a background with the Yxy color 12.9081, 0.2624, 0.4648.

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

12.9081, 0.2624, 0.4648

Protanopia

12.7771, 0.3821, 0.4117

Deuteranopia

12.7687, 0.3839, 0.3773



Tritanopia

12.9760, 0.2333, 0.3069

Trichromacy



Original Color

12.9081, 0.2624, 0.4648



Protanomaly

11.9803, 0.3153, 0.4389



Deuteranomaly

11.6919, 0.3157, 0.4116



Tritanomaly

12.7415, 0.2417, 0.3604

Monochromacy



Original Color

12.9081, 0.2624, 0.4648



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

8.5916, 0.2752, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9081, 0.2624, 0.4648 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, 116, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 68)  
}
```

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, 116, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.9081, 0.2624, 0.4648 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, 116, 68) }
```

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

```
.border{ border-color:rgb(0, 116, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9081, 0.2624, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 68) }
```

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

```
.background{ background-color: rgb(0, 116,  
68) }
```

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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