

Converting Colors

$Y_{xy}(12.5426, 0.2555, 0.4397)$

Have a look what the booklet for
Yxy(12.5426, 0.2555, 0.4397)
contains.

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Color

Yxy(12.5426, 0.2555, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	00724B
RGB	0, 114, 75
RGB Percent	0%, 45%, 29%
CMY	0.9997, 0.5529, 0.7059
CMYK	1.00, 0.00, 0.34, 0.55
HSL	159°, 100%, 22%
HSV	159°, 100%, 45%
XYZ	7.2882, 12.5426, 8.6945
YIQ	75.4680, -55.4250, -36.2970

Conversions

Conversions Part 2

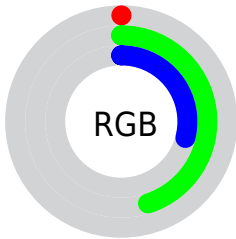
Format	Color
RYB	0, 69, 114
Decimal	29259
CIELab	42.07, -37.86, 13.99
CIELCh	42, 40.364, 159.722
Yxy	12.5426, 0.2555, 0.4397
Android (android.graphics.Color)	4278219339 (0xFF00724B)
YUV	75.4680, -0.2307, -66.1854
Hunter-Lab	35.4155, -25.2433, 10.2352

Details

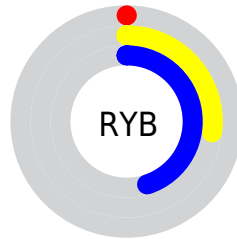
The Yxy color **12.5426, 0.2555, 0.4397** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7263, 0.5497, 0.2803**, and the grayscale version is **7.1382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5485, 0.2714, 0.4088**, and **3.8795, 0.2689, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **12.5421, 0.2555, 0.4398**, and if you desaturate by 10%, it is **12.6721, 0.2551, 0.4271**.

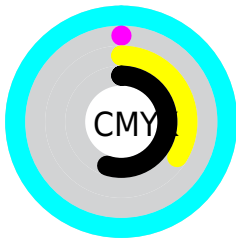
Distribution



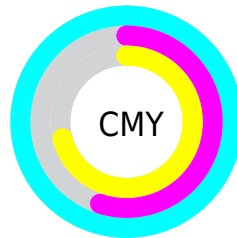
- Red (0%)
- Green (45%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5426, 0.2555, 0.4397 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 12.5426, 0.2555, 0.4397 by changing the saturation by 10% instead.


 12.5426, 0.2555,
0.4397


 12.5426, 0.2555,
0.4397


207.9651, 0.2919,
0.3689


 7.1143, 0.2420,
0.4664


 30.4796, 0.2714,
0.4085


 3.5337, 0.2204,
0.5094

 43.7571, 0.2765,
0.3987


 1.4163, 0.1543,
0.6328

 60.4198, 0.2804,
0.3910

 0.2287, 0.0000,
1.0000


 80.8520, 0.2836,
0.3848


 0.0000, 0.0000,
0.0000


 105.4383, 0.2862,
0.3798


 134.5630, 0.2884,

0.3756


 168.6105, 0.2903,
0.3720


 12.5426, 0.2555,
0.4397

 12.5426, 0.2555,
0.4397

 12.5421, 0.2555,
0.4398

 12.6721, 0.2551,
0.4271

 12.8369, 0.2558,
0.4146

 13.0629, 0.2584,
0.4020

 13.3568, 0.2626,
0.3897

 13.7243, 0.2685,
0.3778

■ 14.1708, 0.2757,
0.3665

■ 14.7007, 0.2840,
0.3559

■ 15.3185, 0.2931,
0.3461

■ 16.0281, 0.3028,
0.3371

Harmonies

Analogous

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



12.5426, 0.3356, 0.4894



12.5426, 0.2555, 0.4397



12.5426, 0.1955, 0.3458

Triad

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



12.5426, 0.2555, 0.4397



12.5426, 0.2060, 0.1999



12.5426, 0.4829, 0.3577

Complementary

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



12.5426, 0.2555, 0.4397



3.7263, 0.5497, 0.2803

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.



12.5426, 0.4402, 0.2975



12.5426, 0.2555, 0.4397



12.5426, 0.2700, 0.2117

Square

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



12.5426, 0.2555, 0.4397



12.5426, 0.1720, 0.2150



12.5426, 0.3570, 0.2462



12.5426, 0.4700, 0.4200

Rectangle

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



12.5426, 0.2555, 0.4397



12.5426, 0.1734, 0.2869



12.5426, 0.3570, 0.2462



12.5426, 0.4748, 0.3371

Sweetspot

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



12.5431, 0.2555, 0.4397



25.7490, 0.2833, 0.3568



12.4849, 0.3216, 0.5827



5.8828, 0.2805, 0.3601



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.5431, 0.2555, 0.4397



22.0166, 0.2564, 0.4429



9.7487, 0.2119, 0.2828



3.7967, 0.3037, 0.3363



13.9589, 0.2557, 0.4404



69.3688, 0.2576, 0.4472

Inverse Universe

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



3.7263, 0.5497, 0.2803



6.5223, 0.5563, 0.2838



3.9839, 0.6200, 0.3458



3.4186, 0.3226, 0.3218



4.1426, 0.5513, 0.2811



20.4885, 0.5652, 0.2887

Previews

White Background



This preview shows how the Yxy color 12.5426, 0.2555, 0.4397 looks on a white background.

Color Contrast Check

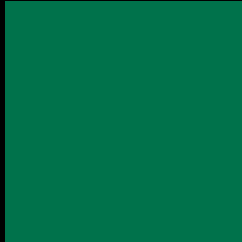
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5426, 0.2555, 0.4397 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 12.5426, 0.2555, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 12.5426, 0.2555, 0.4397.



This preview shows how white text looks on a background with the Yxy color 12.5426, 0.2555, 0.4397.

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

12.5426, 0.2555, 0.4397

Protanopia

12.4792, 0.3682, 0.3961

Deuteranopia

12.3938, 0.3688, 0.3635



Tritanopia

12.6964, 0.2323, 0.3067

Trichromacy



Original Color

12.5426, 0.2555, 0.4397

Protanomaly

11.5845, 0.3047, 0.4166

Deuteranomaly

11.4693, 0.3029, 0.3915

Tritanomaly

12.5349, 0.2386, 0.3525

Monochromacy



Original Color

12.5426, 0.2555, 0.4397

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.2811, 0.2721, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5426, 0.2555, 0.4397 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, 114, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 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, 114, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 75) }
```

Border

The CSS property to change the border of an element to Yxy 12.5426, 0.2555, 0.4397 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, 114, 75) }
```

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

```
.border{ border-color:rgb(0, 114, 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, 114, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5426, 0.2555, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 75) }
```

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

```
.background{ background-color: rgb(0, 114,  
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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